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**UNITED STATES  
AIR FORCE**



# ***OCCUPATIONAL SURVEY REPORT***

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**AEROSPACE GROUND EQUIPMENT (AGE)**

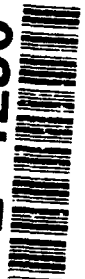
**AFSC 454X1**

**AFPT 90-454-904**

**JANUARY 1992**

**OCCUPATIONAL ANALYSIS PROGRAM  
USAF OCCUPATIONAL MEASUREMENT SQUADRON  
AIR TRAINING COMMAND  
RANDOLPH AFB, TEXAS 78150-5000**

**92-12901**



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HQ ATC/DPAEO	3		3	
HQ ATC/TTOA	2		1	
HQ EUR/DPAT	1		1	
HQ MAC/DPATJ	3		3	
HQ PACAF/DPAE	3		3	
HQ SAC/DPATO	3		3	
HQ SOC/DPAT	1		1	
HQ TAC/DPAEE	3		3	
HQ USAF/LGMM	1		1	
HQ USAF/DPPT	1			
HQ USAFE/DPAD	3		3	
NODAC	1			
Standards Division (MAGTEC)	1			
USAFOMS/OMDQ	1			
USAFOMS/OMYXL	10	2m	5	10
388 FW/LST	2		2	
3330 TCHTW/TTO (CHANUTE AFB IL)	7	2	7	7
3330 TCHTW/TTS (CHANUTE AFB IL)	1		1	

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## PREFACE

This report presents the results of an occupational survey of the Aerospace Ground Equipment (AGE) career ladder, AFSC 454X1. Authority for conducting occupational surveys is found in AFR 35-2. Computer products used in this report are available for use by operations and training officials.

Major Kenneth L. Te Brink, Occupational Analyst, developed the survey instrument. Captain Virgil Hamaty analyzed the survey data and wrote the final report. Master Sergeant Cornelia Wharton provided computer programming support; Sergeant John Pratt and Ms Raquel A. Soliz provided administrative support. This report has been reviewed and approved for release by Lieutenant Colonel Johnny M. Collins, Chief, Airman Analysis Section, Occupational Analysis Branch, USAF Occupational Measurement Squadron.

Copies of this report are distributed to Air Staff sections, major commands, and other interested training and management personnel. Additional copies may be requested from the USAF Occupational Measurement Squadron, Attention: Chief, Occupational Analysis Branch (OMY), Randolph AFB, Texas 78150-5000.

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## SUMMARY OF RESULTS

1. Survey Coverage: Survey results are based on responses from 2,540 AFSC 454X1 respondents worldwide. This represents 28 percent of this AFSC's total assigned population and 85 percent of those receiving survey booklets.

2. Specialty Jobs: Analysis of the survey data revealed a varied job structure, with 15 jobs identified. Jobs differ based on the functional areas in which primary work is accomplished and the scope and percent time spent on tasks performed. One job cluster, which includes 44 percent of the survey sample, is the core job of the career ladder. Members of six other jobs perform similar tasks, but differ in percent time spent performing particular task groups. Members of three additional jobs perform related (supervisory, supply, etc.) tasks.

3. Career Ladder Progression: AFSC 454X1 personnel follow an orderly skill level progression. The 3-skill level personnel perform a fairly wide range of basic technical tasks, while 5-skill level personnel have a broader job with a greater average number of tasks performed and some added administrative responsibilities. The 7-skill level personnel have a less extensive job, with supervisory, administrative, and managerial responsibilities accounting for about half of their time. The 9-skill level personnel and CEMs perform slightly more than half as many tasks as the 7-skill levels and are involved primarily in management, supervisory, and administrative responsibilities.

4. AFR 39-1 Specialty Descriptions: The three AFR 39-1 Specialty Descriptions for the AGE career ladder (Mechanic, Technician, and Superintendent) were reviewed against survey data. They provide a generally accurate description of the jobs performed by each skill level.

5. Training: Ninety-three percent of the STS elements were supported by matched survey data. The Plan of Instruction (POI) was also reviewed, with 86 percent of the matched POI elements supported by survey data. There were also tasks not matched to elements of the STS and POI, yet performed by sufficient numbers of 454X1s to require review for possible inclusion in those documents.

6. Job Satisfaction: The job satisfaction of personnel in the survey sample is comparable to, or better than, the job satisfaction of a comparative group of personnel in similar AFSCs surveyed in 1990. First enlistment perceived use of talent, first- and second-enlistment reenlistment intentions, and all TAFMS groups' sense of accomplishment were notably higher for the 454X1s than for the 1990 comparative sample. Overall, job satisfaction appears to be quite good.

7. Implications: The 454X1 career ladder appears to have remained stable during the period since the previous OSR. The work has remained essentially unchanged. Many pieces of equipment commonly used at the time of the previous OSR continue to be commonly used, while others have been replaced or diminished. The job structure is varied, but there appears to be a reasonable progression from each level of experience and responsibility to the next. Training documents are generally accurate and clearly show the responsibilities of the career ladder; while all the AFR 39-1, the STS, and the POI could use some fine-tuning, all are basically sound. No differences were found between the performance of the AFSC's duties in the CONUS versus overseas, or across MAJCOMs.

OCCUPATIONAL SURVEY REPORT  
AEROSPACE GROUND EQUIPMENT (AGE)  
(AFSC 454X1)

INTRODUCTION

This is a report of an occupational survey of the Aerospace Ground Equipment (AGE) career ladder (AFSC 454X1). The last occupational survey for this career ladder was published in May 1983 (as AFSC 423X5). HQ ATC/TTOA requested the survey to collect current data for use in validating career ladder documents as a result of changes in the career ladder caused by RIVET WORKFORCE (RWF) actions and new aircraft support equipment.

Background

The AGE career ladder was converted under RWF from AFSC 423X5 to AFSC 454X1 in April 1988. As described in the current AFR 39-1 Specialty Descriptions, AGE personnel perform maintenance on, inspect, troubleshoot, repair, overhaul, and modify AGE; operate towing vehicles for powered support equipment movement; inspect, troubleshoot, and repair support equipment used in Tactical Air Control Systems (TACS); advise on problems encountered in repairing, maintaining, and modifying AGE; plan and organize aircraft AGE maintenance activities; direct, inspect, and evaluate AGE maintenance activities; and perform AGE maintenance functions.

A Category A training course (C3ABR45431 000) is conducted at Chanute AFB IL for personnel entering the career ladder. The course length is presently 16 weeks, 1 day. The training includes inspection, maintenance, and repair of aircraft ground equipment and inspection, repair, adjustment, and troubleshooting of systems and components of motors, air cooled gasoline engines, diesel engines, engine generator sets, air compressors, gas turbine compressors, heaters, hydraulic pumping units, air conditioners, and bomb lifts.

SURVEY METHODOLOGY

Inventory Development

Data for this survey were collected using USAF Job Inventory AFPT 90-454-904, dated February 1990. A preliminary task list was prepared by reviewing current career ladder publications and directives, tasks from the previous AGE job inventory, and data from the last occupational survey report (OSR). This preliminary task list was then refined and validated through interviews with subject-matter experts at the technical training school and at nine operational bases.

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The final job inventory contains a comprehensive list of 1,020 tasks grouped under 20 duty headings. The survey also includes standard background questions asking for grade, duty title, time in service, time in present job, and time in career field. In addition, there are questions requesting such information as how an individual was assigned to the career ladder, functional area best describing the job, type of unit for present assignment, job satisfaction, intent to reenlist, and types of equipment used.

### Survey Administration

A computer-generated mailing list obtained from personnel data tapes maintained by the Armstrong Laboratory, Human Resources Directorate was used to select survey participants. From May 1990 to January 1991, Consolidated Base Personnel Offices at operational bases worldwide administered the job inventory to a stratified random sample of AGE personnel holding DAFSCs 45431, 45451, 45471, 45491, and 45400.

All individuals who filled out an inventory first completed an identification and biographical information section. Next, they answered questions in the background portion of the inventory. They were then directed to go through the booklet and check each task performed in their current job. Finally, they were asked to go back and rate each task they had checked using a 9-point scale reflecting relative time spent on each task, as compared to all other tasks checked. Ratings ranged from 1 (indicating a very small amount of time spent) to 9 (indicating a very large amount of time spent).

To determine relative time spent for each task checked by a respondent, all of the incumbent's ratings are assumed to account for 100 percent of his or her time spent on the job and are totaled. The rating of each task is then divided by the sum of all the task ratings, and multiplied by 100 to provide a relative percentage of time for each task. This procedure provides a basis for comparing tasks in terms of both percent members performing and average percent time spent.

### Survey Sample

With approximately 9,000 members assigned to the AGE career ladder, a stratified random selection process was used to select career ladder members as survey participants and to ensure there was a proportional representation of major commands and military paygrades in the sample. A total of 3,000 incumbents were randomly selected to receive a job inventory booklet. Table 1 reflects the distribution of the assigned population, by MAJCOM, as well as the distribution across the final survey sample. Table 2 reflects the pay-grade distribution of the assigned strength, as compared to the distribution represented in the final sample. The 2,540 respondents in the final sample represent 85 percent of those receiving inventory booklets. Overall, the final survey sample was well representative of the total assigned AGE population.

TABLE 1  
COMMAND DISTRIBUTION OF AFSC 454X1 PERSONNEL

<u>COMMAND</u>	<u>PERCENT OF ASSIGNED*</u>	<u>PERCENT OF SAMPLE**</u>
TAC	29	31
SAC	24	23
USAFE	20	20
MAC	14	12
PACAF	5	6
ATC	3	3
AFSC	2	2
OTHER	3	3

Total Assigned = 9,031

Total Surveyed = 3,000

Total in Sample = 2,540

\* Assigned strength as of 26 September 1989

\*\* Excludes those personnel in PCS, student, or hospital status, or with less than 6 weeks on the job

TABLE 2  
PAYGRADE DISTRIBUTION OF 454X1 SURVEY SAMPLE

<u>GRADE</u>	<u>PERCENT OF ASSIGNED*</u>	<u>PERCENT OF SAMPLE</u>
AIRMAN	22	25
SRA/SGT	33	31
SSGT	24	26
TSGT	12	12
MSGT	8	7
SMSGT	1	1
CMSGT	-	-

- Less than 1 percent

\* Assigned strength as of October 1990

NOTE: Percentages may add to more than 100 percent  
due to rounding

### Task Factor Administration

Job descriptions alone do not provide sufficient data for making decisions about career ladder documents or training programs. Task factor information is needed for a complete analysis of the career ladder. To obtain the needed task factor data, experienced NCOs completed either a training emphasis (TE) or task difficulty (TD) booklet. These booklets were processed separately from the job inventories, and the TE and TD data were used in several analyses discussed later in this report.

Training Emphasis (TE). TE is defined as a rating of which tasks require structured training for first-enlistment personnel. Structured training is defined as training provided by resident technical schools, field training detachments (FTD), mobile training teams (MTT), formal OJT, or any other organized training method. One hundred and twelve experienced NCOs (primarily E-6s and E-7s) independently rated the tasks in the inventory on a 10-point scale ranging from no training required (0) to extremely high TE (9). Each NCO's ratings were then compared to those of every other NCO who rated TE. A statistical measurement of their agreement, known as the interrater reliability was computed and found to be acceptable. For this AFSC, the average TE rating is 2.54, with a standard deviation of 1.48. Any task with a TE rating of 4.02 or greater is considered to have a high TE.

Task Difficulty (TD). TD is defined as an estimate of the length of time the average airman takes to learn how to perform a task. One hundred and ten experienced NCOs rated the difficulty of the AGE tasks on a 9-point scale ranging from 1 (easy to learn) to 9 (very difficult to learn). Interrater agreement was again acceptable. TD ratings are normally adjusted so tasks of average difficulty have a value of 5.0, with a standard deviation of 1.0. Thus, any task with a TD rating of 5.00 or above is considered difficult to learn.

TD ratings, when used with percent members performing values and TE ratings, can provide a great deal of insight into training requirements, help validate the need for structured training, and be used to examine plans of instruction for a career ladder.

### SPECIALTY JOBS (Career Ladder Structure)

A USAF Occupational Analysis begins with an examination of the career ladder structure of jobs performed by personnel holding the DAFSC. Each individual in the sample performs a set of tasks called a job. An automated job clustering program organizes individual jobs in the similar units of work. This hierarchical grouping program is a basic part of the Comprehensive Occupational Data Analysis Programs (CODAP) system for job analysis. Each individual job description (all the tasks performed by that individual and the relative amount of time spent on those tasks) is compared to every other job description in terms of tasks performed and the relative amount of time spent

on each task in the job inventory. CODAP locates the two job descriptions with the most similar tasks and percent time ratings and combines them to form a composite job description. In successive stages, new members are added to initial groups, or new groups are formed based on the similarity of tasks performed and similar time ratings in the individual job descriptions. The job structure information resulting from this grouping process (the various jobs within the career ladder) can be used to evaluate the accuracy of that occupation's documentation (AFR 39-1 Specialty Descriptions and Specialty Training Standard) and gain a better understanding of current utilization patterns within the occupation. For this report, the career ladder structure is described in terms of job clusters and independent jobs.

### Overview

Based on responses from the 2,540 AFSC 454X1 personnel in the survey sample, 15 jobs were identified within the AGE career ladder. The core job was that of Maintenance Mechanic, which comprised 44 percent of the survey sample. Six other jobs were very similar to the core job, but were much more specialized in nature. In addition to the AGE Maintenance Mechanic-type jobs, personnel were also performing Tactical Air Control Systems (TACS) functions, nonpowered AGE maintenance, dispatching, munitions-handling trailer mechanic functions, supervision, quality assurance, production control, and training. The division of jobs performed by AGE personnel is illustrated in Figure 1. A listing of the job titles is provided below. For the sake of brevity, Aerospace Ground Equipment (AGE) is assumed to be a prefix to each job title. The stage (ST) number shown beside each title is an internal identification number assigned to that group by CODAP. The letter "N" stands for the number of personnel in each group.

- I. MAINTENANCE MECHANIC (ST341, N=1,105)
- II. APPRENTICE MECHANIC (ST319, N=15)
- III. CHASSIS MECHANIC (ST284, N=10)
- IV. HEATING SYSTEMS MECHANIC (ST416, N=20)
- V. REFRIGERATION MECHANIC (ST407, N=10)
- VI. PREOPERATIONS OR SERVICE INSPECTIONS (ST185, N=290)
- VII. DISPATCHER (ST342, N=13)
- VIII. TACTICAL AIR CONTROL SYSTEMS (TACS) MAINTENANCE (ST108, N=121)
- IX. SENIOR SUPERVISOR (ST118, N=302)
- X. QUALITY ASSURANCE INSPECTOR (ST231, N=31)

# AEROSPACE GROUND EQUIPMENT JOBS

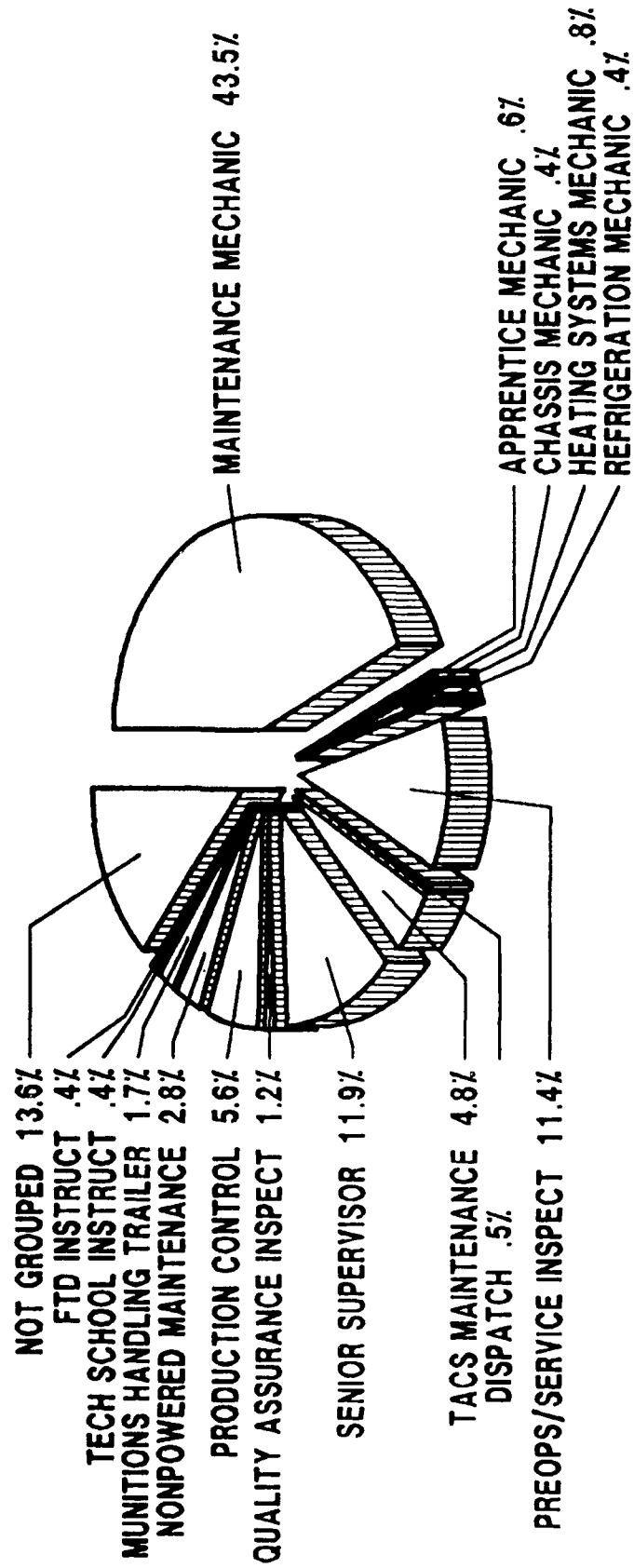


Figure 1

- XI. BENCH STOCK AND PRODUCTION CONTROL (ST085, N=143)
- XII. NONPOWERED MAINTENANCE (ST192, N=70)
- XIII. MUNITIONS HANDLING TRAILER MECHANIC (ST103, N=43)
- XIV. TECH SCHOOL INSTRUCTOR (ST175, N=10)
- XV. FTD INSTRUCTOR (ST351, N=10)

The respondents forming these jobs account for 86 percent of the survey sample. The remaining 14 percent were performing tasks or series of tasks which did not group them in any of the defined jobs. Job titles, given by representative respondents, included Paint Crew, NCOIC AGE Mobility, NCOIC Corrosion Control, CAT Team Leader, Fuel Custodian, Weapons System Controller, and GLCM AGE Technician.

Table 3 shows the relative time spent in each duty for each defined job, while selected background data for the jobs are provided in Table 4. Representative tasks performed in each job are contained in Appendix A.

The following paragraphs contain brief descriptions of the 15 specific jobs listed above. Listings of equipment most commonly used in each job are provided in Appendix B.

I. MAINTENANCE MECHANIC CLUSTER (ST341, N=1,105). These airmen represent the core job of the career ladder. They accomplish general maintenance on a wide variety of AGE equipment. They average 65 months TICF and 69 months TAFMS; average paygrade is E-4. They perform an average of 268 tasks and are involved with such duties as:

- Isolate engine, motor, or generator mechanical malfunctions
- Research TOs, charts, or diagrams for electrical maintenance instructions
- Remove generators or alternators
- Adjust reciprocating engine fuel system carburetors
- Isolate brake system malfunctions

The following six jobs are similar to the above job in that personnel in each of these jobs perform a large number of tasks in common with the Maintenance Mechanics. However, personnel in these six jobs perform far fewer tasks and are either in entry-level positions, training to be Maintenance Mechanics (e.g., Groups II, III, and VI), or they have very specialized jobs which focus on a particular type of maintenance or service (e.g., Groups IV, V, and VII).

TABLE 3

RELATIVE PERCENT TIME SPENT PERFORMING DUTIES ACROSS  
AEROSPACE GROUND EQUIPMENT (AGE) JOB GROUPS

DUTIES	MAINT		APPREN		CHASSIS		HEATING		REFRIG	
	MECH		MECH		MECH		SYSTEMS		MECH	
A ORGANIZING AND PLANNING	1		-		0		-		-	
B DIRECTING AND IMPLEMENTING	1		-		-		1		1	
C INSPECTING AND EVALUATING	1		-		-		1		1	
D TRAINING	1		-		-		1		1	
E PERFORMING GENERAL ADMINISTRATIVE TASKS	6		2		1		6		3	
F PERFORMING PREOPERATIONS OR SERVICE INSPECTIONS	14		6		19		6		8	
G PERFORMING PERIODIC INSPECTIONS	5		6		7		5		3	
H MAINTAINING AEROSPACE GROUND EQUIPMENT (AGE) ELECTRICAL OR ELECTRONIC SYSTEMS	13		23		3		12		20	
I MAINTAINING AEROSPACE GROUND EQUIPMENT (AGE) ENGINES, MOTORS, OR GENERATORS	18		24		9		24		20	
J MAINTAINING AEROSPACE GROUND EQUIPMENT (AGE) HEATING SYSTEMS	7		4		1		20		3	
K MAINTAINING AEROSPACE GROUND EQUIPMENT (AGE) REFRIGERATION SYSTEMS OR EQUIPMENT COOLERS	2		1		0		1		19	
L MAINTAINING AEROSPACE GROUND EQUIPMENT (AGE) TEST STAND, BOMBLIFT, OR GENERAL SERVICING HYDRAULIC SYSTEMS	5		1		2		2		4	
M MAINTAINING AEROSPACE GROUND EQUIPMENT (AGE) PNEUMATIC SYSTEMS	6		3		1		3		3	
N MAINTAINING AEROSPACE GROUND EQUIPMENT (AGE) ENCLOSURES, CHASSIS, OR DRIVES	9		22		27		13		10	
O MAINTAINING MOBILE TACTICAL AIR CONTROL SYSTEMS (TACS) EQUIPMENT	1		1		3		-		-	
P DISPATCHING AEROSPACE GROUND EQUIPMENT (AGE)	5		3		19		2		3	
Q MAINTAINING SPECIAL TOOLS OR SHOP EQUIPMENT	2		1		2		2		1	
R PERFORMING QUALITY ASSURANCE TASKS	1		-		1		1		1	
S PERFORMING NONPOWERED AEROSPACE GROUND EQUIPMENT MAINTENANCE	3		-		2		1		0	
T PERFORMING CROSS-UTILIZATION TRAINING (CUT) TASKS	1		-		2		-		-	

- Less than 1 percent



TABLE 3 (CONTINUED)

RELATIVE PERCENT TIME SPENT PERFORMING DUTIES ACROSS  
AEROSPACE GROUND EQUIPMENT (AGE) JOB GROUPS

DUTIES	PREOPS/ SERVICE INSPECT	DISPATCH	TACS MAINT	SENIOR SUPER	QUAL ASSUR INSP
A ORGANIZING AND PLANNING	1	-	2	15	4
B DIRECTING AND IMPLEMENTING	1	4	3	16	12
C INSPECTING AND EVALUATING	1	1	2	18	21
D TRAINING	1	-	2	10	4
E PERFORMING GENERAL ADMINISTRATIVE TASKS	8	9	8	20	16
F PERFORMING PREOPERATIONS OR SERVICE INSPECTIONS	28	32	5	3	5
G PERFORMING PERIODIC INSPECTIONS	4	0	1	1	-
H MAINTAINING AEROSPACE GROUND EQUIPMENT (AGE) ELECTRICAL OR ELECTRONIC SYSTEMS	9	2	25	3	1
I MAINTAINING AEROSPACE GROUND EQUIPMENT (AGE) ENGINES, MOTORS, OR GENERATORS	9	1	11	3	1
J MAINTAINING AEROSPACE GROUND EQUIPMENT (AGE) HEATING SYSTEMS	4	-	1	1	1
K MAINTAINING AEROSPACE GROUND EQUIPMENT (AGE) REFRIGERATION SYSTEMS OR EQUIPMENT COOLERS	1	0	1	1	1
L MAINTAINING AEROSPACE GROUND EQUIPMENT (AGE) TEST STAND, BOMBLIFT, OR GENERAL SERVICING HYDRAULIC SYSTEMS	2	-	-	1	1
M MAINTAINING AEROSPACE GROUND EQUIPMENT (AGE) PNEUMATIC SYSTEMS	2	-	-	1	1
N MAINTAINING AEROSPACE GROUND EQUIPMENT (AGE) ENCLOSURES, CHASSIS, OR DRIVES	8	2	3	1	1
O MAINTAINING MOBILE TACTICAL AIR CONTROL SYSTEMS (TACS) EQUIPMENT	1	1	26	1	1
P DISPATCHING AEROSPACE GROUND EQUIPMENT (AGE)	14	40	4	2	2
Q MAINTAINING SPECIAL TOOLS OR SHOP EQUIPMENT	2	4	4	2	2
R PERFORMING QUALITY ASSURANCE TASKS	1	1	1	3	26
S PERFORMING NONPOWERED AEROSPACE GROUND EQUIPMENT MAINTENANCE	1	0	-	-	-
T PERFORMING CROSS UTILIZATION TRAINING (CUT) TASKS	1	3	-	-	1

- Less than 1 percent

TABLE 3 (CONTINUED)

RELATIVE PERCENT TIME SPENT PERFORMING DUTIES ACROSS  
AEROSPACE GROUND EQUIPMENT (AGE) JOB GROUPS

DUTIES	BENCH STOCK/ PRODUCT CONTROL	NON- POWER AGE MAINT	MUNITIONS HANDLING TRAILER MECH	TECH		FTD	
				SCHOOL INSTRUCT	INSTRUCT	SCHOOL INSTRUCT	INSTRUCT
A ORGANIZING AND PLANNING	7	3	1	6		3	
B DIRECTING AND IMPLEMENTING	8	3	3	15		6	
C INSPECTING AND EVALUATING	4	3	2	9		4	
D TRAINING	3	3	3	33		11	
E PERFORMING GENERAL ADMINISTRATIVE TASKS	38	12	14	14		7	
F PERFORMING PREOPERATIONS OR SERVICE INSPECTIONS	1	13	19	8		11	
G PERFORMING PERIODIC INSPECTIONS	-	13	7	1		2	
H MAINTAINING AEROSPACE GROUND EQUIPMENT (AGE) ELECTRICAL OR ELECTRONIC SYSTEMS	-	-	19	2		14	
I MAINTAINING AEROSPACE GROUND EQUIPMENT (AGE) ENGINES, MOTORS, OR GENERATORS	-	-	-	1		19	
J MAINTAINING AEROSPACE GROUND EQUIPMENT (AGE) HEATING SYSTEMS	-	-	0	2		6	
K MAINTAINING AEROSPACE GROUND EQUIPMENT (AGE) REFRIGERATION SYSTEMS OR EQUIPMENT COOLERS	-	-	0	0		3	
L MAINTAINING AEROSPACE GROUND EQUIPMENT (AGE) TEST STAND, BOMBLIFT, OR GENERAL SERVICING HYDRAULIC SYSTEMS	-	2	7	0		5	
M MAINTAINING AEROSPACE GROUND EQUIPMENT (AGE) PNEUMATIC SYSTEMS	-	-	2	2		5	
N MAINTAINING AEROSPACE GROUND EQUIPMENT (AGE) ENCLOSURES, CHASSIS, OR DRIVES	-	11	10	1		1	
O MAINTAINING MOBILE TACTICAL AIR CONTROL SYSTEMS (TACS) EQUIPMENT	1	1	1	-		-	
P DISPATCHING AEROSPACE GROUND EQUIPMENT (AGE)	4	5	4	-		-	
Q MAINTAINING SPECIAL TOOLS OR SHOP EQUIPMENT	32	4	5	5		1	
R PERFORMING QUALITY ASSURANCE TASKS	1	1	2	1		1	
S PERFORMING NONPOWERED AEROSPACE GROUND EQUIPMENT MAINTENANCE	-	25	-	0		0	
T PERFORMING CROSS-UTILIZATION TRAINING (CUT) TASKS	-	-	1	0		0	

- Less than 1 percent

TABLE 4

## SELECTED BACKGROUND DATA FOR MEMBERS OF AFSC 454X1 JOB GROUPS

DUTIES	MAINT MECH	APPREN MECH	CHASSIS MECH	HEATING SYSTEMS MECH	REFRIGE MECH	PREOPS/ SERVICE INSPECT	DISPATCH	TACS MAINT
NUMBER IN GROUP	1,105	15	10	20	10	290	13	121
PERCENT OF TOTAL SAMPLE	44%	-	-	-	-	11%	-	5%
PERCENT IN CONUS	61%	73%	70%	75%	90%	64%	69%	45%
DAFSC DISTRIBUTION								
45431	9%	53%	70%	10%	10%	23%	15%	11%
45451	67%	47%	30	70%	60%	63%	54%	68%
45471	34%	0%	0%	20%	30%	14%	31%	21%
45491	0%	0%	0%	0%	0%	0%	0%	1%
PAYGRADE DISTRIBUTION								
AIRMAN	28%	80%	70%	25%	30%	52%	23%	22%
E-4	40%	20%	30%	45%	30%	31%	38%	39%
E-5	25%	0%	0%	30%	40%	14%	38%	26%
E-6	6%	0%	0%	0%	0%	2%	0%	12%
E-7	1%	0%	0%	0%	0%	0%	0%	1%
E-8	0%	0%	0%	0%	0%	0%	0%	0%
E-9	1%	0%	0%	0%	0%	0%	0%	0%
AVERAGE MONTHS IN CAREER FIELD								
AVERAGE MONTHS TAFMS	65	17	20	67	58	51	79	78
PERCENT FIRST ENLISTMENT	69	21	23	75	71	57	83	79
PERCENT SUPERVISING	45%	93%	70%	40%	40%	66%	31%	37%
AVERAGE NUMBER OF TASKS PERFORMED	44%	7%	10%	35%	50%	26%	46%	42%
	268	89	49	134	172	97	33	168

- Indicates less than 1 percent

TABLE 4 (CONTINUED)

## SELECTED BACKGROUND DATA FOR MEMBERS OF AFSC 454X1 JOB GROUPS

DUTIES	SENIOR SUPER	QUAL ASSUR INSP	BENCH STOCK/ PRODUCT CONTROL	NON- POWER MAINT	MUNITION HANDLING TRAILER	TECH SCHOOL INSTRUCT	FTD INSTRUCT
NUMBER IN GROUP	302	31	143	70	43	10	10
PERCENT OF TOTAL SAMPLE	12%	1%	6%	3%	2%	-	-
PERCENT IN CONUS	65%	71%	58%	83%	100%	90%	60%
DAFSC DISTRIBUTION							
45431	0%	0%	4%	10%	2%	10%	0%
45451	10%	10%	53%	71%	77%	40%	10%
45471	74%	87%	42%	19%	21%	50%	90%
45491	15%	3%	1%	0%	0%	0%	0%
PAYGRADE DISTRIBUTION							
AIRMAN	0%	0%	11%	24%	33%	0%	0%
E-4	1%	0%	35%	41%	30%	30%	0%
E-5	16%	29%	29%	30%	37%	40%	30%
E-6	33%	52%	18%	4%	0%	10%	40%
E-7	40%	16%	6%	0%	0%	0%	30%
E-8	9%	3%	0%	0%	0%	0%	0%
E-9	1%	0%	0%	0%	0%	0%	0%
AVERAGE MONTHS IN CAREER FIELD							
AVERAGE MONTHS TAFMS	179	146	96	69	65	97	146
PERCENT FIRST ENLISTMENT	186	154	103	73	72	98	153
PERCENT SUPERVISING	2%	0%	27%	48%	43%	10%	0%
AVERAGE NUMBER OF TASKS PERFORMED	96%	26%	51%	40%	44%	20%	50%
	109	54	61	84	61	41	132

- Indicates less than 1 percent

II. APPRENTICE MECHANIC CLUSTER (ST319, N=15). These airmen perform basic maintenance tasks similar to those performed by the Maintenance Mechanics, but perform a much narrower range of tasks (89 versus 268). They are the junior members of the career ladder, averaging 17 months TICF and 21 months TAFMS. Average paygrade is E-3. The tasks they perform are, for the most part, considered routine maintenance. Representative tasks include:

- Remove or install engine oil filters
- Clean or paint battery boxes
- Remove or install batteries
- Paint, stencil, reflectorize, or mark AGE
- Pack wheel bearings
- Perform brake system operational checks
- Remove or install electrical fuses

III. CHASSIS MECHANIC (ST284, N=10). The airmen holding this job are primarily E-2s and average 20 months TICF and 23 months TAFMS. Their primary focus is on tasks involved with maintaining vehicle frames, panels, under-carriage components, etc. Members report performing an average of 49 tasks, of which the following are representative:

- Paint, stencil, reflectorize, or mark AGE
- Pack wheel bearings
- Adjust brake systems
- Stop-drill panel cracks
- Clean or wax vehicles
- Straighten panels, doors, or covers
- Remove or install hinges, stays, or fasteners

IV. HEATING SYSTEMS MECHANIC (ST416, N=20). Members performing this job work primarily on engine systems, but 14 of their 27 most commonly performed tasks deal with heating systems. They are senior to members in the above two groups, with an average paygrade of E-4 and 67 months TICF and 75 months TAFMS. Of the average 134 tasks performed, the following are representative:

- Perform heater periodic inspections
- Perform heater operational checks
- Perform carbon monoxide tests
- Test heater exchanger drains
- Isolate heater malfunctions
- Adjust heater temperature settings

V. REFRIGERATION MECHANIC (ST407, N=10). Like the Heating Systems Mechanics, these airmen spend most of their time in other duties (e.g., maintaining engines or electrical/electronic systems), but 21 of their 25 most commonly performed tasks relate either directly or indirectly to refrigeration or cooler systems. They have an average grade of E-4 and average 58 months TICF and 71 months TAFMS. Fifty percent indicate they supervise one or more individuals. They perform an average of 172 tasks, of which the following are typical:

- Perform air-conditioner preoperations inspections
- Gauge belt tensions
- Adjust belt tensions, other than hydraulic system fan belts
- Remove or install electrical fuses
- Evacuate refrigerant systems
- Align compressor clutches
- Align compressor couplings
- Perform refrigeration equipment leakage tests

VI. PREOPERATIONS OR SERVICE INSPECTIONS CLUSTER (ST185, N=290). This large cluster comprises 11 percent of the career ladder. The primary function of these personnel, as the job title implies, is performing preoperational and service inspections on AGE. Their average grade is E-3, and they have an average TICF of 51 months and have been in service 57 months. They perform an average of 97 tasks, with the following being typical:

- Perform air compressor service inspections
- Perform light-all cart service inspections
- Perform generator service inspections
- Perform light-all cart preoperations inspections
- Perform air compressor preoperations inspections
- Perform gas turbine compressor service inspections

VII. DISPATCHER (ST342, N=13). These members are primarily responsible for making sure AGE gets where it's needed, when it's needed. The airmen holding this job have an average grade of E-4 and average 79 months TICF and 83 months TAFMS. Almost half (46 percent) indicate they are supervisors. Members report performing an average of 33 tasks, of which the following are representative:

- Pick up or deliver AGE
- Operate two-way vehicle radios
- Clean or wax vehicles
- Fuel AGE
- Inspect vehicles for safety of operation
- Dispatch AGE vehicle drivers
- Position AGE to aircraft
- Turn in or pick up vehicles

VIII. TACTICAL AIR CONTROL SYSTEMS (TACS) MAINTENANCE CLUSTER (ST108, N=121). This job cluster includes 5 percent of the survey sample. Its members deploy with Tactical Air Control squadrons to maintain their equipment in the field. The average grade of these members is E-4. Members average 78 months TICF and 79 months TAFMS. Of the average 168 tasks performed in this job, the following are representative:

- Mobilize equipment for deployment
- Set up deployed site
- Perform site defense
- Solder electrical system wiring
- Perform mobile TACS generator operational checks
- Perform mobile TACS generator preoperations inspections
- Remove power cables
- Perform power cable maintenance
- Perform mobile TACS generator service inspections

IX. SENIOR SUPERVISOR CLUSTER (ST118, N=302). This job includes 12 percent of the survey sample and contains a large portion of the career ladder's senior NCOs. Their primary duties are supervisory in nature, with very little time spent on technical tasks. Their average grade is E-6, average TICF is 179 months, and average TAFMS is 186 months. Of the 109 average tasks they perform, the following are representative:

- Write EPRs
- Determine work priorities
- Counsel personnel on personal or military matters
- Plan or schedule work assignments
- Supervise AGE technicians (AFSC 45471)
- Supervise AGE mechanics (AFSC 45451)

X. QUALITY ASSURANCE INSPECTOR (ST231, N=31). These relatively senior 454X1s are primarily responsible for ensuring the various responsibilities of the career ladder are accomplished correctly. Their average grade is E-6, average TICF 146 months, and average TAFMS 154 months; 26 percent supervise. They perform an average of 54 tasks, of which the following are representative:

- Implement quality assurance programs
- Inspect completed maintenance
- Inspect supervisor performance
- Perform quality assurance task evaluations
- Perform AGE quality verification inspections (QVI)
- Perform activity or performance spot checks

XI. BENCH STOCK AND PRODUCTION CONTROL CLUSTER (ST085, N=143). This job includes about 6 percent of the career ladder. These personnel are primarily responsible for issuing and accounting for the parts and tools used by other AGE personnel. Their average grade is E-5, and they average 96 months TICF and 103 months TAFMS. They perform an average of 61 tasks, of which the following are representative:

- Initiate or annotate AF Forms 2005 (Issue/Turn-in Request)
- Maintain bench stocks
- Issue or turn in special tools or shop equipment other than CTKs
- Inspect CTKs
- Inventory special tools or shop equipment other than CTKs
- Establish bench stock levels

XII. NONPOWERED AGE MAINTENANCE CLUSTER (ST192, N=70). The airmen in this job cluster make up about 3 percent of the career ladder. They work on a variety of nonpowered AGE equipment, such as aircraft towbars. The members' average grade is E-4, with 40 percent supervising. They average 69 months TICF and 73 months TAFMS. They perform an average of 84 tasks, with the following being typical:

- Remove or install nonpowered AGE caster assemblies
- Remove or install nonpowered AGE hydraulic pumps
- Remove or install nonpowered AGE hydraulic line assemblies
- Remove or install nonpowered AGE hydraulic pump components
- Remove or install nonpowered AGE ram assemblies
- Remove or install nonpowered AGE hydraulic lines

XIII. MUNITIONS HANDLING TRAILER MECHANIC CLUSTER (ST103, N=43). These airmen work in an area outside of AGE "proper," performing tasks also shared by 461X0, Munitions Systems, personnel. They make up almost 2 percent of the AFSC and are primarily E-4s. They average 65 months TICF and 72 months TAFMS. The job includes an average of 61 tasks, with the following being typical:

- Perform powered munitions-handling trailer periodic inspections
- Perform powered munitions-handling trailer preoperations inspections
- Perform powered munitions-handling trailer service inspections
- Perform shop support equipment preoperations inspections
- Annotate or complete AFTO forms 244 or 245 (Industrial/Support Equipment Record)



XIV. TECH SCHOOL INSTRUCTOR (ST175, N=10). This job represents the technical school personnel at Chanute AFB who are responsible for providing school house training for AGE personnel. Their average grade is E-5, with 20 percent supervising. They average 97 months TICF and 98 months TAFMS. Of the 41 average tasks performed by the airmen holding this job, the following are representative:

- Conduct resident course classroom training
- Administer tests
- Counsel trainees on training progress
- Score tests
- Counsel personnel on personal or military matters
- Procure training aids, space, or equipment

XV. FTD INSTRUCTOR (ST351, N=10). Members of this job have the task of training AFSC members in the field, while also continuing to perform other technical tasks. The average grade of these members is E-6; 50 percent supervise. Average TICF is 146 months, and average TAFMS is 153 months. They perform an average of 132 tasks, of which the following are typical:

- Maintain technical order (TO) publications
- Develop course curricula, plans of instruction (POI), or STSs
- Perform engine, motor, or generator operational checks
- Research TOs for maintenance instructions on engines, motors, or generators
- Perform generator preoperations inspections
- Perform load bank preoperations inspections
- Develop lesson plans

#### Comparison to Previous Survey

Table 5 compares the jobs identified in the present study to those identified in the last OSR published in 1983. Very few differences in job structure are noted. All major jobs performed in 1983 are still being performed today. Some of the equipment used to perform this career ladder's various tasks has changed, however. An extensive listing of the most commonly used equipment is included in Appendix B.

TABLE 5

COMPARISON OF JOB TITLES vs PREVIOUS OSR (423X5, MAY 1983)

CURRENT JOB TITLES	423X5 (MAY 83) JOB TITLES
I. MAINTENANCE MECHANIC (ST341, N=1,105)	I. AGE MECHANICS (GRP218, N=1132)
II. APPRENTICE MECHANIC (ST319, N=15)	A. GENERAL MAINTENANCE PERSONNEL (GRP610, N=235)
III. CHASSIS MECHANIC (ST284, N=10)	B. GENERAL AGE MECHANICS (GRP607, N=419)
XIII. MUNITIONS-HANDLING TRAILER MECHANIC (ST103, N=43)	C. BOMB LIFT MECHANICS (GRP630, N=49)
IV. HEATING SYSTEMS MECHANIC (ST416, N=20)	D. HYDRAULIC SYSTEM MECHANICS (GRP521, N=19)
	E. GENERATOR-COMPRESSOR MECHANICS (GRP552, N=46)
	F. HEATER MECHANICS (GRP514, N=45)
	G. COMPRESSOR-HEATER MECHANICS (GRP377, N=10)
	H. AGE SERVICING PERSONNEL (GRP677, N=118)
V. REFRIGERATION MECHANIC (ST407, N=10)	I. MAINTENANCE SHIFT SUPERVISORS (GRP645, N=20)
XII. NONPOWERED AGE MAINTENANCE MECHANIC (ST192, N=70)	II. NONPOWERED AGE MECHANICS (GRP098, N=85)
	A. WHEEL AND BRAKE MECHANICS (GRP546, N=38)
	B. PERIODIC INSPECTION PERSONNEL (GRP640, N=11)
VII. DISPATCHER (ST342, N=13)	III. AGE SERVICING AND DISPATCH PERSONNEL (GRP079, N=311)
VI. PREOPERATIONS OR SERVICE INSPECTIONS (ST185, N=290)	A. AGE INSPECTION AND DISPATCH PERSONNEL (GRP561, N=108)
	B. AGE DISPATCH AND SERVICE PERSONNEL (GRP413, N=91)
	C. AGE INSPECTION PERSONNEL (GRP345, N=11)

TABLE 5 (CONTINUED)

COMPARISON OF JOB TITLES vs PREVIOUS OSR (423X5, MAY 1983)

CURRENT JOB TITLES	423X5 (MAY 83) JOB TITLES
VIII. TACTICAL AIR CONTROL SYSTEMS (TACS) MAINTENANCE (ST108, N=121)	IV. TACS POWER GENERATION PERSONNEL (GRP147, N=95) A. TACS POWER GENERATION MOBILITY PERSONNEL (GRP329, N=10) B. TACS POWER GENERATION ELECTRICIANS (GRP501, N=51) C. TACS POWER GENERATION NCOICs (GRP474, N=23)
XI. BENCH STOCK AND PRODUCTION CONTROL (ST85, N=143)	V. SUPPLY PERSONNEL (GRP077, N=139) A. SUPPLY MAINTENANCE PERSONNEL (GRP433, N=49) B. BENCH STOCK AND TOOL PERSONNEL (GRP290, N=23) C. SUPPLY CONTROL PERSONNEL (GRP326, N=10) D. SUPPLY NCOICs (GRP541, N=49)
IX. SENIOR SUPERVISOR (ST118, N=302)	VI. AGE NCOICs (GRP075, N=423) A. GENERATOR MINOR MAINTENANCE SUPERVISORS (GRP536, N=153) B. MINOR MAINTENANCE SUPERVISORS (GRP448, N=69) C. GENERATOR AND TURBINE MAINTENANCE SUPERVISORS (GRP634, N=30) D. GENERAL MAINTENANCE SUPERVISORS (GRP671, N=15) E. CREW CHIEFS (GRP701, N=10) F. NONPOWERED AGE SUPERVISORS (GRP363, N=12) G. DISPATCH SUPERVISORS (GRP462, N=11) H. TECH ORDER LIBRARY SUPERVISORS (GRP205, N=10)
X. QUALITY ASSURANCE INSPECTOR (ST231, N=31)	VII. QUALITY CONTROL INSPECTORS (GRP105, N=51) A. PROGRAM INSPECTORS (GRP848, N=21) B. MAINTENANCE INSPECTORS (GRP386, N=15)
XV. FTD INSTRUCTOR (ST351, N=10) XIV. TECH SCHOOL INSTRUCTOR (ST175, N=10)	VIII. INSTRUCTORS (GRP265, N=15)

### Summary

Although 15 job groups were identified within the AGE career ladder, the largest percent of job incumbents (44 percent) were performing a common core job, that of Maintenance Mechanic. Members of six other jobs performed variations of this core job, either because of experience level or because of specialization. Combined, these seven jobs total 58 percent of the career ladder. Three other related job groups included supervisors of these members, quality control inspectors, and the airmen that provide them tools and materials. These 10 jobs comprise 76 percent of the career ladder.

There were, however, several unique jobs being performed within the AGE career ladder. TACS Maintenance personnel are generally assigned to Tactical Air Control squadrons, which deploy to field sites and operate under field conditions. Consequently, many of the tasks they perform (like setting up a deployed site and site defense) would be found more commonly in Army units than typical Air Force units. The other two unique jobs were the Nonpowered AGE Maintenance Mechanics and the Munitions Handling Trailer Mechanics. These three jobs clearly reflect different equipment usage requirements from the core mechanic jobs described above.

### ANALYSIS OF DAFSC GROUPS

Duty Air Force Specialty Code (DAFSC) group analysis allows identification of similarities and differences in duty and task performance at the various skill levels. This information may be used to evaluate how well career ladder documents, such as AFR 39-1 Specialty Descriptions and the Specialty Training Standard (STS), reflect what is actually being done by career ladder personnel in the field.

The distribution of skill-level personnel across the 15 specialty jobs is shown in Table 6. Table 7 reflects the relative time spent by the DAFSC groups on each duty.

The data gathered for this OSR show a large number of tasks (141) performed by 3-skill-level personnel, a larger number (185) by 5-skill-level personnel, a decrease in the number of tasks performed by 7-skill-level technicians (158), and finally only about half as many (85) tasks performed by 9-skill-level superintendents and CEM personnel. The 7-skill-level technician performs supervisory, administrative, and technical tasks, while 9-skill-level and CEM personnel perform few technical tasks, focusing primarily on managerial areas.

TABLE 6

## DISTRIBUTION OF DAFSC 454X1 MEMBERS ACROSS SPECIALTY JOBS

SPECIALTY JOBS	DAFSC 45431 (N=332)		DAFSC 45451 (N=1,372)		DAFSC 45471 (N=773)		DAFSC 45491/00 (N=61)	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
I. MAINTENANCE MECHANIC	97	29%	744	54%	260	34%	1	2%
II. APPRENTICE MECHANIC	8	2%	7	1%	0	0%	0	0%
III. CHASSIS MECHANIC	7	2%	3	-	0	0%	0	0%
IV. HEATING SYSTEMS MECHANIC	2	-	14	1%	4	1%	0	0%
V. REFRIGERATION MECHANIC	1	-	6	-	3	-	0	0%
VI. PREOPS OR SERVICE INSPECT	66	20%	184	13%	40	5%	0	0%
VII. DISPATCHER	2	-	7	1%	4	1%	0	0%
VIII. TACS MAINTENANCE	13	4%	82	6%	25	3%	1	2%
IX. SENIOR SUPERVISOR	0	0%	30	2%	224	29%	48	79%
X. QUALITY ASSURANCE INSPECTOR	0	0%	3	-	27	3%	1	2%
XI. BENCH STOCK AND PRODUCTION CONTROL	6	2%	76	6%	60	8%	1	2%
XII. NONPOWERED MAINTENANCE	7	2%	50	4%	13	2%	0	0%
XIII. MUNITIONS HANDLING TRAILER MECHANIC	1	-	33	2%	9	1%	0	0%
XIV. TECH SCHOOL INSTRUCTOR	1	-	4	-	5	1%	0	0%
XV. FTD INSTRUCTOR	0	0%	1	-	9	1%	0	0%
NOT GROUPED	121	36%	128	9%	85	11%	8	13%

- Less than 1 percent

NOTE: Columns may not add to 100 percent due to rounding

TABLE 7

AVERAGE PERCENT TIME SPENT PERFORMING DUTIES BY DAFSC 454X1 GROUPS

DUTIES	DAFSC 45431 (N=332)	DAFSC 45451 (N=1,372)	DAFSC 45471 (N=773)	DAFSC 45491/00 (N=61)
A ORGANIZING AND PLANNING	1	2	8	19
B DIRECTING AND IMPLEMENTING	1	2	10	23
C INSPECTING AND EVALUATING	-	2	9	27
D TRAINING	-	2	7	6
E PERFORMING GENERAL ADMINISTRATIVE TASKS	6	10	17	17
F PERFORMING PREOPERATIONS OR SERVICE INSPECTIONS	18	14	7	-
G PERFORMING PERIODIC INSPECTIONS	6	5	2	0
H MAINTAINING AEROSPACE GROUND EQUIPMENT (AGE) ELECTRICAL OR ELECTRONIC SYSTEMS	13	12	7	-
I MAINTAINING AEROSPACE GROUND EQUIPMENT (AGE) ENGINES, MOTORS, OR GENERATORS	14	13	7	-
J MAINTAINING AEROSPACE GROUND EQUIPMENT (AGE) HEATING SYSTEMS	5	5	2	-
K MAINTAINING AEROSPACE GROUND EQUIPMENT (AGE) REFRIGERATION SYSTEMS OR EQUIPMENT COOLERS	1	2	1	-
L MAINTAINING AEROSPACE GROUND EQUIPMENT (AGE) TEST STAND, BOMBLIFT, OR GENERAL SERVICING HYDRAULIC SYSTEMS	3	3	2	-
M MAINTAINING AEROSPACE GROUND EQUIPMENT (AGE) PNEUMATIC SYSTEMS	3	4	2	-
N MAINTAINING AEROSPACE GROUND EQUIPMENT (AGE) ENCLOSURES, CHASSIS, OR DRIVES	11	8	3	-
O MAINTAINING MOBILE TACTICAL AIR CONTROL SYSTEMS (TACS) EQUIPMENT	2	3	2	1
P DISPATCHING AEROSPACE GROUND EQUIPMENT (AGE)	8	6	4	1
Q MAINTAINING SPECIAL TOOLS OR SHOP EQUIPMENT	3	4	4	1
R PERFORMING QUALITY ASSURANCE TASKS	1	1	3	3
S PERFORMING NONPOWERED AEROSPACE GROUND EQUIPMENT MAINTENANCE	2	3	1	-
T PERFORMING CROSS-UTILIZATION TRAINING (CUT) TASKS	1	1	-	-

- Less than 1 percent

### Skill-Level Descriptions

DAFSC 45431. The 332 individuals in this group make up 13 percent of the survey sample. They are working in 12 of the 15 identified jobs, as shown in Table 6. Forty-nine percent are working in two jobs--Maintenance Mechanic (29 percent) and Preoperations or Service Inspections (20 percent). Four percent work in the TACS job. A high percentage of 3-skill level members (36 percent) did not group into any of the 15 job groups identified. While this percentage is higher than average, it is not totally surprising since the 3-skill level is where individuals start to learn their jobs through limited responsibility and task performance. Average paygrade of these members is E-3. Seventy-three percent of the incumbents report having 24 months or less TAFMS, with an average TICF of 18 months.

DAFSC 45451. Personnel with a 5-skill level make up 54 percent of the sample population. They are found in all 15 of the jobs identified, with over half (54 percent) working in the Maintenance Mechanic job. Another 25 percent work in three other jobs--Preoperations or Service Inspections (13 percent), TACS Maintenance (6 percent), and Production Control (6 percent). Only 9 percent of these members did not group into any job group. The increased average number of tasks performed (185) is indicative of the expanding role these airmen have in the AGE career ladder. Seventy-five percent of the 45451 personnel report holding the grade E-4 or E-5, with the average grade being E-4. The incumbents average 60 months TICF and 64 months TAFMS. Thirty-five percent of this group indicate they are supervisors. Representative tasks performed by 3- and 5-skill level members are displayed in Table 8.

DAFSC 45471. This group, representing 30 percent of the survey sample, are the expert technicians and supervisors of the AGE career ladder. They perform an average of 158 tasks and are found in 13 of the jobs identified (all except Apprentice Mechanic and Chassis Mechanic), as shown in Table 6. The largest percentage work in the Maintenance Mechanic job (34 percent), but an increasing number are working in the Senior Supervisor job (29 percent). Eighty-three percent of the 45471 personnel report supervising at least one individual, and the entire group indicates most of their time is spent on supervisory, managerial, and administrative tasks. However, as their distribution across jobs show, they are still highly involved in technical duties associated with day-to-day AGE activities. All of the incumbents report they are in grades E-5 through E-8, with the average grade being E-6. The average TICF for this group is 149 months, with an average of 158 months TAFMS. Representative tasks for 7-skill-level personnel are displayed in Table 9. Tasks which best differentiate between the 3- and 5-skill levels and the 7-skill level are displayed in Table 10.

DAFSC 45491/00. This group, representing only 2 percent of the survey sample, are the superintendents of the AGE career ladder. They perform an average of 85 tasks and are found in only 4 of the identified jobs (Table 6). Seventy-nine percent were working in the Senior Supervisor job group. Ninety-three percent of the 45491/00 personnel report supervising at least one individual, and the entire group indicates that 94 percent of their time is spent on

TABLE 8

## REPRESENTATIVE TASKS PERFORMED BY DAFSC 45431/51 PERSONNEL

TASKS	PERCENT MEMBERS PERFORMING (N=1,704)
P894 CLEAN AGE	78
I461 CLEAN AND GAP SPARK PLUGS	71
H415 REMOVE OR INSTALL ELECTRICAL FUSES	71
F228 PERFORM AIR COMPRESSOR PREOPERATIONS INSPECTIONS	70
F229 PERFORM AIR COMPRESSOR SERVICE INSPECTIONS	69
N802 REMOVE OR INSTALL BATTERIES	69
I539 REMOVE OR INSTALL SPARK PLUGS	68
N789 PAINT, STENCIL, OR MARK AGE	68
N779 ADJUST BRAKE SYSTEMS	67
H431 SOLDER ELECTRICAL SYSTEM WIRING	66
P902 FUEL AGE	66
F267 PERFORM LIGHT-ALL CART PREOPERATIONS INSPECTIONS	66
N782 CLEAN OR PAINT BATTERY BOXES	66
E178 INITIATE OR ANNOTATE AFTO FORMS 350 (REPARABLE ITEM PROCESSING TAG)	66
F262 PERFORM HEATER PREOPERATIONS INSPECTIONS	66
N801 REMOVE OR INSTALL AGE TIRE, TUBE, OR WHEEL ASSEMBLIES	65
F263 PERFORM HEATER SERVICE INSPECTIONS	65
F261 PERFORM GENERATOR SERVICE INSPECTIONS	65
F268 PERFORM LIGHT-ALL CART SERVICE INSPECTIONS	64
F260 PERFORM GENERATOR PREOPERATIONS INSPECTIONS	64
H410 REMOVE OR INSTALL BATTERY CABLES	64
P909 PICK UP OR DELIVER AGE	63
P907 OPERATE TWO-WAY VEHICLE RADIOS	63
N790 PERFORM BRAKE SYSTEM OPERATIONAL CHECKS	63
H432 SPLICE ELECTRICAL SYSTEM WIRING	62
N788 PACK WHEEL BEARINGS	62
N795 REFLECTORIZE AGE	62
P895 CLEAN OR WAX VEHICLES	62
H364 CLEAN CONTACTOR POINTS	62
E152 ANNOTATE OR COMPLETE AFTO FORMS 244 OR 245 (INDUSTRIAL SUPPORT EQUIPMENT RECORD)	61
H420 REMOVE OR INSTALL MANUAL TOGGLE SWITCHES	61
F280 PERFORM LOAD BANK PREOPERATIONS INSPECTIONS	61



TABLE 9  
REPRESENTATIVE TASKS PERFORMED BY 45471 PERSONNEL

TASKS	PERCENT MEMBERS PERFORMING (N=773)
C87 INSPECT WORK AREA CLEANLINESS	80
C91 WRITE EPRs	75
A7 DETERMINE WORK PRIORITIES	68
B33 COUNSEL PERSONNEL ON PERSONAL OR MILITARY MATTERS	68
E152 ANNOTATE OR COMPLETE AFTO FORMS 244 OR 245 (INDUSTRIAL/ SUPPORT EQUIPMENT RECORD)	66
B53 SUPERVISE AEROSPACE GROUND EQUIPMENT MECHANICS (AFSC 45451)	65
D115 INITIATE OR MAINTAIN TRAINING RECORDS, SUCH AS AF FORMS 623 OR 623A	64
E176 INITIATE OR ANNOTATE AF FORMS 2005 (ISSUE/TURN-IN REQUEST)	63
E178 INITIATE OR ANNOTATE AFTO FORMS 350 (REPARABLE ITEM PROCESSING TAG)	62
A21 PLAN OR SCHEDULE WORK ASSIGNMENTS	59
Q925 INSPECT CTKS	58
E173 INITIATE OR ANNOTATE AF FORMS 797 (JOB QUALIFICATION STANDARD CONTINUATION/COMMAND JQS)	56
D99 CONDUCT OJT	56
B50 ORIENT NEWLY ASSIGNED PERSONNEL	55
B46 INTERPRET POLICIES, DIRECTIVES, OR PROCEDURES FOR SUBORDINATES	54
C72 EVALUATE PERSONNEL COMPLIANCE WITH PERFORMANCE STANDARDS	53
E135 ANNOTATE OR COMPLETE AF FORMS 1297 (TEMPORARY ISSUE RECEIPT)	52
E183 INITIATE OR ATTACH CONDITION SERVICEABILITY TAGS, SUCH AS DD FORMS 1574 (SERVICEABLE TAG - MATERIEL)	51
B52 SUPERVISE AEROSPACE GROUND EQUIPMENT APPRENTICES (AFSC 45431)	51
D103 COUNSEL TRAINEES ON TRAINING PROGRESS	49
A26 SCHEDULE LEAVES OR PASSES	45
F228 PERFORM AIR COMPRESSOR PREOPERATIONS INSPECTIONS	44
A1 ASSIGN PERSONNEL TO DUTY POSITIONS	44
A9 DEVELOP WORK METHODS OR PROCEDURES	43
B49 MAINTAIN STATUS BOARDS, GRAPHS, OR CHARTS	43

TABLE 10

TASKS WHICH BEST DIFFERENTIATE BETWEEN 45431/51 AND 45471 PERSONNEL  
(PERCENT MEMBERS PERFORMING)

TASKS	45431/51 (N=1,704)	45471 (N=773)	DIFF
P894 CLEAN AGE	78	39	39
P895 CLEAN OR WAX VEHICLES	62	27	35
P909 PICK UP OR DELIVER AGE	63	30	33
P902 FUEL AGE	66	34	32
N782 CLEAN OR PAINT BATTERY BOXES	66	34	32
N789 PAINT, STENCIL, OR MARK AGE	68	36	32
N788 PACK WHEEL BEARINGS	62	31	31
I461 CLEAN AND GAP SPARK PLUGS	71	40	31
I539 REMOVE OR INSTALL SPARK PLUGS	68	37	31
N801 REMOVE OR INSTALL AGE TIRE, TUBE, OR WHEEL ASSEMBLIES	65	34	31
N795 REFLECTORIZE AGE	62	31	31
N802 REMOVE OR INSTALL BATTERIES	69	39	30
H415 REMOVE OR INSTALL ELECTRICAL FUSES	71	42	29
F267 PERFORM LIGHT-ALL CART PREOPERATIONS INSPECTIONS	66	37	29
I515 REMOVE OR INSTALL ENGINE OIL FILTERS	59	30	29
C91 WRITE EPRs	23	75	-52
B33 COUNSEL PERSONNEL ON PERSONAL OR MILITARY MATTERS	19	68	-49
A21 PLAN OR SCHEDULE WORK ASSIGNMENTS	14	59	-45
A7 DETERMINE WORK PRIORITIES	24	68	-44
B53 SUPERVISE AEROSPACE GROUND EQUIPMENT MECHANICS (AFSC 45451)	21	65	-44
C87 INSPECT WORK AREA CLEANLINESS	38	80	-42
B46 INTERPRET POLICIES, DIRECTIVES, OR PROCEDURES FOR SUBORDINATES	13	54	-41
D115 INITIATE OR MAINTAIN TRAINING RECORDS, SUCH AS FORMS 623 OR 623A	24	64	-40
C72 EVALUATE PERSONNEL COMPLIANCE WITH PERFORMANCE STANDARDS	13	53	-40
A26 SCHEDULE LEAVES OR PASSES	6	45	-39
E173 INITIATE OR ANNOTATE AF FORMS 797 (JOB QUALIFICATION STANDARD CONTINUATION/COMMAND JQS)	18	56	-38
B50 ORIENT NEWLY ASSIGNED PERSONNEL	19	56	-37
B30 CONDUCT OR PARTICIPATE IN STAFF MEETINGS	7	43	-36
B54 SUPERVISE AEROSPACE GROUND EQUIPMENT TECHNICIANS (AFSC 45471)	3	37	-34
C60 COMPLETE SELF-INSPECTION REPORTS	5	39	-34

supervisory, managerial, and administrative tasks. The average TICF for this group is 214 months, with an average of 228 months TAFMS. Representative tasks for this group are displayed in Table 11. Tasks best differentiating 7-skill levels from 9-skill levels/CEMs are displayed in Table 12.

### Summary

AFSC 454X1 personnel follow an orderly skill-level progression. The 3-skill-level personnel perform the most basic tasks, of which there is a fairly large number. The 5-skill-level personnel have a broader job with increased supervisory and administrative responsibilities, building on many of the 3-skill-level tasks. At the 7-skill-level, personnel start to shift from primarily technical to primarily supervisory and managerial responsibilities, but still perform a considerable number of technical tasks. The 9-skill-level and CEM personnel are almost exclusively involved in management responsibilities and perform very few AFSC-related tasks.

## ANALYSIS OF AFR 39-1 SPECIALTY DESCRIPTION

Survey data were compared to the AFR 39-1 Specialty Descriptions for AGE Mechanics, Technicians, and Superintendents (all dated 30 April 91). The descriptions for all skill levels are generally accurate in describing the overall jobs performed by members at each level in this career ladder. However, it is recommended that references to GLCMs be removed from all specialty descriptions.

## TRAINING ANALYSIS

Occupational survey data are one of the many sources of information that can be used to assist in the development of a training program relevant to the needs of personnel entering a career ladder. Factors which may be used in reviewing training include the overall descriptions of the jobs performed by first-enlistment personnel, the distribution of first-enlistment personnel across the occupation's jobs, percentages of first-enlistment members performing specific tasks, and training emphasis and task difficulty ratings (previously explained in the SURVEY METHODOLOGY section).

To assist specifically in the evaluation of the Specialty Training Standard (STS) and the Plan of Instruction (POI), technical school personnel from Lowry Technical Training Center matched job inventory tasks to appropriate sections and subsections of the STS and POI for course C3ABR45431-000. A complete copy of the matchings, displaying the STS elements and POI units of instruction, the matched tasks, the percent members performing the tasks, and

TABLE 11

## REPRESENTATIVE TASKS PERFORMED BY DAFSC 45491 AND 45400 PERSONNEL

TASKS	PERCENT MEMBERS PERFORMING (N=61)
B30 CONDUCT OR PARTICIPATE IN STAFF MEETINGS	98
C91 WRITE EPRs	90
A1 ASSIGN PERSONNEL TO DUTY POSITIONS	90
B33 COUNSEL PERSONNEL ON PERSONAL OR MILITARY MATTERS	87
B46 INTERPRET POLICIES, DIRECTIVES, OR PROCEDURES FOR SUBORDINATES	85
B29 COMPILE INFORMATION FOR REPORTS OR STAFF STUDIES	85
C87 INSPECT WORK AREA CLEANLINESS	85
C60 COMPLETE SELF-INSPECTION REPORTS	85
C84 INDORSE ENLISTED PERFORMANCE REPORTS (EPR)	84
B37 DIRECT OFFICIAL CORRESPONDENCE PREPARATION	80
C71 EVALUATE MAINTENANCE OR UTILIZATION OF WORK SPACE, EQUIPMENT, OR SUPPLIES	80
C72 EVALUATE PERSONNEL COMPLIANCE WITH PERFORMANCE STANDARDS	79
A6 DETERMINE REQUIREMENTS FOR SPACE, PERSONNEL, EQUIPMENT OR SUPPLIES	79
B36 DIRECT MAINTENANCE OR UTILIZATION OF EQUIPMENT, SUPPLIES OR WORK SPACE	77
B50 ORIENT NEWLY ASSIGNED PERSONNEL	77
C68 EVALUATE INSPECTION REPORTS OR PROCEDURES	75
C73 EVALUATE PERSONNEL FOR PROMOTION, DEMOTION, RECLASSIFICATION OR SPECIAL AWARDS	75
A12 ESTABLISH ORGANIZATIONAL POLICIES, OFFICE INSTRUCTIONS (OI), OR STANDARD OPERATING PROCEDURES (SOP)	75
A20 PLAN OR CONDUCT BRIEFINGS	74
A13 ESTABLISH PERFORMANCE STANDARDS	74
B54 SUPERVISE AEROSPACE GROUND EQUIPMENT TECHNICIANS (AFSC 45471)	72
A7 DETERMINE WORK PRIORITIES	72
C65 EVALUATE AGE SUPPORT COMPLAINTS	70
C85 INITIATE PERSONNEL ACTIONS	69
A3 COORDINATE MAINTENANCE AND FACILITY WORK ORDERS WITH ACTION OFFICES	69
B35 DIRECT DEVELOPMENT OR MAINTENANCE OF STATUS BOARDS, GRAPHS, OR CHARTS	69

TABLE 12

TASKS WHICH BEST DIFFERENTIATE BETWEEN 45471 AND 45491/00 PERSONNEL  
(PERCENT MEMBERS PERFORMING)

TASKS	45471 (N=773)	45491/00 (N=61)	DIFF
F228 PERFORM AIR COMPRESSOR PREOPERATIONS INSPECTIONS	45	3	42
F229 PERFORM AIR COMPRESSOR SERVICE INSPECTIONS	42	2	40
H415 REMOVE OR INSTALL ELECTRICAL FUSES	42	2	40
I415 CLEAN AND GAP SPARK PLUGS	40	0	40
H431 SOLDER ELECTRICAL SYSTEM WIRING	41	2	39
N779 ADJUST BRAKE SYSTEMS	39	0	39
N802 REMOVE OR INSTALL BATTERIES	39	0	39
P894 CLEAN AGE	39	0	39
F260 PERFORM GENERATOR PREOPERATIONS INSPECTIONS	41	3	38
F261 PERFORM GENERATOR SERVICE INSPECTIONS	40	2	38
I539 REMOVE OR INSTALL SPARK PLUGS	37	0	37
N790 PERFORM BRAKE SYSTEM OPERATIONAL CHECKS	37	0	37
F296 PERFORM TOW VEHICLE PREOPERATIONS INSPECTIONS	37	0	37
F280 PERFORM LOAD BANK PREOPERATIONS INSPECTIONS	42	5	37
H410 REMOVE OR INSTALL BATTERY CABLES	38	2	36
B37 DIRECT OFFICIAL CORRESPONDENCE PREPARATION	17	80	-63
B29 COMPILE INFORMATION FOR REPORTS OR STAFF STUDIES	24	85	-61
B30 CONDUCT OR PARTICIPATE IN STAFF MEETINGS	43	98	-55
C84 INDORSE ENLISTED PERFORMANCE REPORTS (EPR)	29	84	-55
A12 ESTABLISH ORGANIZATIONAL POLICIES, OFFICE INSTRUCTIONS (OI), OR STANDARD OPERATING PROCEDURES (SOP)	22	75	-53
C92 WRITE STAFF STUDIES, SURVEYS, OR SPECIAL REPORTS, OTHER THAN TRAINING REPORTS	14	67	-53
C65 EVALUATE AGE SUPPORT COMPLAINTS	19	70	-51
C68 EVALUATE INSPECTION REPORTS OR PROCEDURES	25	75	-50
C67 EVALUATE BUDGET REQUIREMENTS	9	59	-50
A19 PLAN FACILITY LAYOUTS	10	59	-49
C71 EVALUATE MAINTENANCE OR UTILIZATION OF WORK SPACE, EQUIPMENT, OR SUPPLIES	33	80	-47
A1 ASSIGN PERSONNEL TO DUTY POSITIONS	44	90	-46
C60 COMPLETE SELF-INSPECTION REPORTS	39	85	-46
A18 PLAN AGE SUPPORT OF SPECIAL MISSIONS, WAR PLANS, OR TRAINING EXERCISES	17	62	-45
C64 EVALUATE AGE ABUSE REPORTS	16	61	-45

the training emphasis and task difficulty ratings for each task, has been forwarded to the technical school for their use in further detailed reviews of training documents. A summary of this information follows.

### First-Enlistment Personnel

There were 959 AGE personnel with 1-48 months TAFMS in the survey sample, representing 38 percent of the survey sample. (Their distribution across the different jobs is illustrated in Figure 2.) They are a diverse group, found in 13 of the 15 identified jobs, with FTD Instructor and Quality Assurance the only exceptions. Twenty percent of them (196) work in the Preoperations or Service Inspections job, and 55 percent (528) are Maintenance Mechanics. Relative time spent on duties by first-enlistment personnel is displayed in Table 13; representative tasks are listed in Table 14.

### Training Emphasis (TE) and Task Difficulty (TD) Data

TE and TD data are secondary factors that can assist technical school personnel in deciding what tasks should be emphasized in entry-skill level training. These ratings, based on the judgment of senior AGE NCOs working in the field, were collected to provide training personnel with a rank-ordering of those tasks considered important for individuals being trained (TE), along with a measure of the difficulty of those tasks (TD). When combined with data on the percentages of first-enlistment personnel performing tasks, comparisons can then be made to determine if training adjustments are necessary. For example, tasks receiving high ratings on both task factors, accompanied by moderate to high percentages of members performing, may warrant formalized OJT (e.g., FTD) in all units having first-enlistment personnel. Those tasks receiving high task factor ratings, but low percentages performing, may be more appropriately planned for other OJT programs. Low task factor ratings may highlight tasks best omitted from OJT for first-enlistment personnel, but this decision must be weighed against percentages of personnel performing the tasks, organizational concerns, and criticality of the tasks. Various lists of tasks, accompanied by TE and TD ratings, are contained in the TRAINING EXTRACT package and should be reviewed in detail by technical school personnel.

Tasks having the highest TE ratings are listed in Table 15. Included for each task are the percent of first-enlistment personnel performing and the TD rating. The tasks listed are all technical in nature, and most reflect a good percentage of first-enlistment personnel performing them.

Table 16 lists the tasks having the highest TD ratings. The percentages for first-enlistment, 5-, and 7-skill-level personnel performing, and the TE ratings are also included for each task. These tasks are considered by the raters as the most difficult to learn.

# **AEROSPACE GROUND EQUIPMENT JOBS (TAFMS 1-48 MONTHS)**

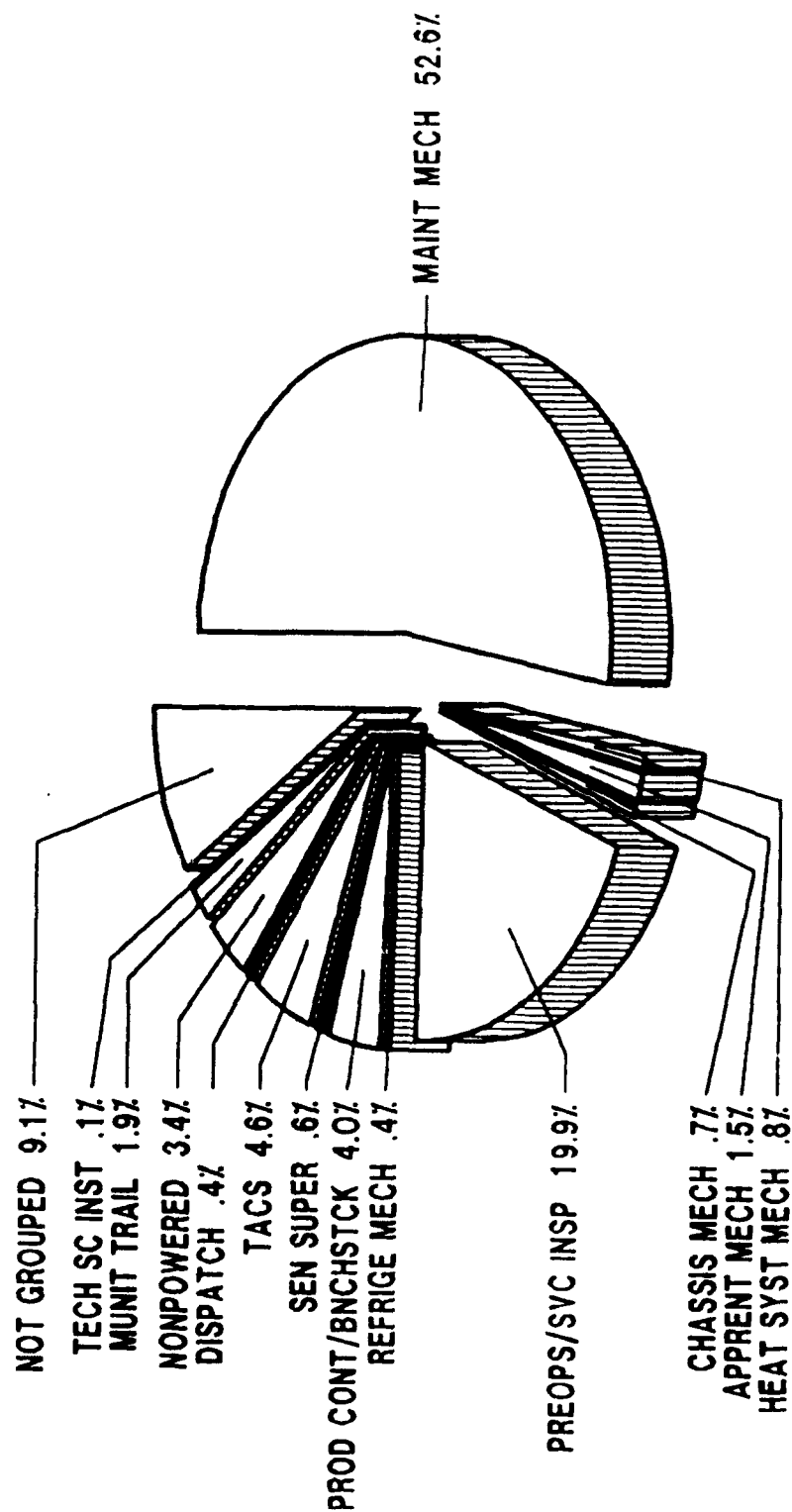


FIGURE 2

TABLE 13

RELATIVE PERCENT OF TIME SPENT ACROSS DUTIES  
BY FIRST-ENLISTMENT AFSC 454X1 PERSONNEL

DUTIES	1-48 MOS TAFMS (N=39)
A ORGANIZING AND PLANNING	1
B DIRECTING AND IMPLEMENTING	1
C INSPECTING AND EVALUATING	1
D TRAINING	1
E PERFORMING GENERAL ADMINISTRATIVE TASKS	7
F PERFORMING PREOPERATIONS OR SERVICE INSPECTIONS	16
G PERFORMING PERIODIC INSPECTIONS	6
H MAINTAINING AEROSPACE GROUND EQUIPMENT (AGE) ELECTRICAL OR ELECTRONIC SYSTEMS	12
I MAINTAINING AEROSPACE GROUND EQUIPMENT (AGE) ENGINES, MOTORS, OR GENERATORS	14
J MAINTAINING AEROSPACE GROUND EQUIPMENT (AGE) HEATING SYSTEMS	5
K MAINTAINING AEROSPACE GROUND EQUIPMENT (AGE) REFRIGERATION SYSTEMS OR EQUIPMENT COOLERS	2
L MAINTAINING AEROSPACE GROUND EQUIPMENT (AGE) TEST STAND, BOMBLIFT, OR GENERAL SERVICING HYDRAULIC SYSTEMS	4
M MAINTAINING AEROSPACE GROUND EQUIPMENT (AGE) PNEUMATIC SYSTEMS	4
N MAINTAINING AEROSPACE GROUND EQUIPMENT (AGE) ENCLOSURES, CHASSIS, OR DRIVES	9
O MAINTAINING MOBILE TACTICAL AIR CONTROL SYSTEMS (TACS) EQUIPMENT	3
P DISPATCHING AEROSPACE GROUND EQUIPMENT (AGE)	7
Q MAINTAINING SPECIAL TOOLS OR SHOP EQUIPMENT	4
R PERFORMING QUALITY ASSURANCE TASKS	1
S PERFORMING NONPOWERED AEROSPACE GROUND EQUIPMENT MAINTENANCE	3
T PERFORMING CROSS-UTILIZATION TRAINING (CUT) TASKS	1

NOTE: Column may not total 100 percent due to rounding



TABLE 14  
REPRESENTATIVE TASKS PERFORMED  
BY AFSC 454X1 FIRST-ENLISTMENT PERSONNEL  
(1-48 MONTHS TAFMS)

TASKS	PERCENT MEMBERS PERFORMING (N=959)
P894 CLEAN AGE	83
I461 CLEAN AND GAP SPARK PLUGS	74
H415 REMOVE OR INSTALL ELECTRICAL FUSES	74
F229 PERFORM AIR COMPRESSOR SERVICE INSPECTIONS	72
F228 PERFORM AIR COMPRESSOR PREOPERATIONS INSPECTIONS	72
N802 REMOVE OR INSTALL BATTERIES	72
I539 REMOVE OR INSTALL SPARK PLUGS	72
N789 PAINT, STENCIL, OR MARK AGE	71
P902 FUEL AGE	71
F267 PERFORM LIGHT-ALL CART PREOPERATIONS INSPECTIONS	71
N779 ADJUST BRAKE SYSTEMS	69
F268 PERFORM LIGHT-ALL CART SERVICE INSPECTIONS	69
F263 PERFORM HEATER SERVICE INSPECTIONS	69
N782 CLEAN OR PAINT BATTERY BOXES	69
H431 SOLDER ELECTRICAL SYSTEM WIRING	68
F262 PERFORM HEATER PREOPERATIONS INSPECTIONS	68
P909 PICK UP OR DELIVER AGE	68
P907 OPERATE TWO-WAY VEHICLE RADIOS	67
N801 REMOVE OR INSTALL AGE TIRE, TUBE, OR WHEEL ASSEMBLIES	67
F261 PERFORM GENERATOR SERVICE INSPECTIONS	67
P895 CLEAN OR WAX VEHICLES	67
N788 PACK WHEEL BEARINGS	66
N795 REFLECTORIZE AGE	66
H410 REMOVE OR INSTALL BATTERY CABLES	66
F260 PERFORM GENERATOR PREOPERATIONS INSPECTIONS	65
N790 PERFORM BRAKE SYSTEM OPERATIONAL CHECKS	65
E178 INITIATE OR ANNOTATE AFTO FORMS 350 (REPARABLE ITEM PROCESSING TAG)	64
H432 SPLICE ELECTRICAL SYSTEM WIRING	63
H364 CLEAN CONTACTOR POINTS	63
F254 PERFORM GAS TURBINE COMPRESSOR SERVICE INSPECTIONS	63
I515 REMOVE OR INSTALL ENGINE OIL FILTERS	62
F280 PERFORM LOAD BANK PREOPERATIONS INSPECTIONS	62
P903 INSPECT VEHICLES FOR SAFETY OF OPERATION	62

Average Number of Tasks Performed - 115  
Cumulative average percent time spent by all members on above  
tasks - 19.1 percent

TABLE 15  
TASKS WITH HIGHEST TRAINING EMPHASIS (TE) RATINGS  
(AFSC 454X1)

TASKS	TNG EMPH	PERCENT		TASK DIFF
		FIRST ENLISTMENT (N=959)		
F265	6.89	61	PERFORM HYDRAULIC TEST STAND SERVICE INSPECTIONS	4.98
F254	6.67	63	PERFORM GAS TURBINE COMPRESSOR SERVICE INSPECTIONS	4.44
F243	6.66	50	PERFORM BOMB LIFT SERVICE INSPECTIONS	4.40
G309	6.59	53	PERFORM AIR COMPRESSOR PERIODIC INSPECTIONS	5.43
G333	6.59	42	PERFORM HYDRAULIC TEST STAND PERIODIC INSPECTIONS	6.83
F261	6.58	67	PERFORM GENERATOR SERVICE INSPECTIONS	4.37
F229	6.56	72	PERFORM AIR COMPRESSOR SERVICE INSPECTIONS	3.64
F264	6.54	61	PERFORM HYDRAULIC TEST STAND PREOPERATIONS INSPECTIONS	4.82
F263	6.38	69	PERFORM HEATER SERVICE INSPECTIONS	3.97
G328	6.38	40	PERFORM GAS TURBINE COMPRESSOR PERIODIC INSPECTIONS	6.28
F233	6.37	51	PERFORM AIR-CONDITIONER SERVICE INSPECTIONS	3.95
F280	6.34	62	PERFORM LOAD BANK PREOPERATIONS INSPECTIONS	3.90
F260	6.29	65	PERFORM GENERATOR PREOPERATIONS INSPECTIONS	4.26
G320	6.29	41	PERFORM BOMB LIFT PERIODIC INSPECTIONS	6.38
I438	6.27	39	ADJUST DIESEL ENGINE GOVERNORS	6.57
F228	6.24	72	PERFORM AIR COMPRESSOR PREOPERATIONS INSPECTIONS	3.52
F253	6.24	60	PERFORM GAS TURBINE COMPRESSOR PREOPERATIONS INSPECTIONS	4.26
F281	6.23	54	PERFORM LOAD BANK SERVICE INSPECTIONS	3.97
G311	6.21	35	PERFORM AIR-CONDITIONER PERIODIC INSPECTIONS	6.02
F262	6.20	68	PERFORM HEATER PREOPERATIONS INSPECTIONS	3.82
F242	6.18	52	PERFORM BOMB LIFT PREOPERATIONS INSPECTIONS	4.11
G332	6.12	47	PERFORM HEATER PERIODIC INSPECTIONS	5.30
F232	6.09	52	PERFORM AIR-CONDITIONER PREOPERATIONS INSPECTIONS	3.76
I456	6.01	27	ADJUST TURBINE ENGINE CRACK PRESSURES	6.07
I437	5.99	35	ADJUST DIESEL ENGINE FUEL RACKS	6.84
F268	5.97	69	PERFORM LIGHT-ALL CART SERVICE INSPECTIONS	3.54
H431	5.90	68	SOLDER ELECTRICAL SYSTEM WIRING	5.26

TABLE 16  
TASKS WITH HIGHEST TASK DIFFICULTY (TD) RATINGS  
(AFSC 454X1)

TASKS	TASK DIFF	PERCENT MEMBERS PERFORMING				TNG EMPH
		1ST ENL	5- LVL	7- LVL		
D124 WRITE CDCs	8.23	0	0	1	.16	
A10 DRAFT FINANCIAL BUDGETS	7.99	2	2	11	.36	
H434 TROUBLESHOOT LOAD BANKS	7.65	24	30	25	5.75	
I552 REMOVE OR INSTALL TURBINE ENGINE TORUS ASSEMBLIES	7.60	8	8	6	2.36	
H383 ISOLATE SOLID-STATE CIRCUITRY MALFUNCTIONS	7.52	22	23	17	4.71	
H382 ISOLATE INTEGRATED CIRCUITRY MALFUNCTIONS	7.41	18	21	15	4.54	
H429 REPAIR LOAD BANKS	7.23	28	35	24	4.61	
C92 WRITE STAFF STUDIES, SURVEYS, OR SPECIAL REPORTS, OTHER THAN TRAINING REPORTS	7.18	1	2	14	.58	
T1006 REMOVE OR INSTALL AIRCRAFT RADOMES	7.12	0	0	0	.21	
T1003 REMOVE OR INSTALL AIRCRAFT BRAKE ASSEMBLIES	7.06	0	0	0	.16	
C67 EVALUATE BUDGET REQUIREMENTS	7.05	1	1	9	.37	
T1008 REMOVE OR INSTALL AIRCRAFT WHEEL ASSEMBLIES	7.04	0	0	0	.30	
I520 REMOVE OR INSTALL ENGINE PISTONS	7.01	10	11	8	2.81	
D125 WRITE JUSTIFICATIONS FOR TRAINING FACILITIES, EQUIPMENT, PUBLICATIONS, OR MATERIAL	7.00	1	1	4	.14	
T1007 REMOVE OR INSTALL AIRCRAFT TIRES	6.99	0	0	1	.33	

TABLE 16 (CONTINUED)

TASKS WITH HIGHEST TASK DIFFICULTY (TD) RATINGS  
(AFSC 454X1)

TASKS	TASK DIFF	PERCENT MEMBERS PERFORMING				TNG EMPH
		1ST ENL	5- LVL	7- LVL		
D126 WRITE TEST QUESTIONS	6.98	1	2	6		.46
A12 ESTABLISH ORGANIZATIONAL POLICIES, OFFICE INSTRUCTIONS (OI), OR STANDARD OPERATING PROCEDURES (SOP)	6.95	2	4	22		.96
A18 PLAN AGE SUPPORT OF SPECIAL MISSIONS, WAR PLANS, OR TRAINING EXERCISES	6.94	2	4	17		.69
I455 ADJUST TURBINE ENGINE CENTRIFUGAL SWITCH ASSEMBLIES	6.94	20	22	19		5.19
T998 PERFORM AIRCRAFT PREFLIGHT, POSTFLIGHT, OR THRUFLIGHT INSPECTIONS	6.92	0	0	1		.36
I551 REMOVE OR INSTALL TURBINE ENGINE PLENUMS OR PLENUM GASKETS	6.91	14	16	12		3.80
T988 ASSEMBLE GENERAL PURPOSE BOMBS	6.91	3	1	0		.37
K649 REMOVE OR INSTALL REFRIGERANT COMPRESSORS	6.88	5	6	5		3.15
K650 REMOVE OR INSTALL REFRIGERANT CONDENSERS	6.86	4	4	2		2.20
I519 REMOVE OR INSTALL ENGINE PISTON RINGS	6.84	11	12	8		2.72
I437 ADJUST DIESEL ENGINE FUEL RACKS	6.84	35	35	24		5.99
G333 PERFORM HYDRAULIC TEST STAND PERIODIC INSPECTIONS	6.83	42	42	23		6.59
B31 COORDINATE AGE CONTRACT MAINTENANCE WITH PURCHASING AND CONTRACTING OFFICES	6.79	1	3	13		.60

### Specialty Training Standard (STS)

A comprehensive review of STS 454X1, dated January 1991, was made by comparing STS items to survey data. STS paragraphs containing general knowledge information, subject-matter-knowledge-only requirements, or basic supervisory responsibilities were not examined. Task knowledge and performance elements of the STS were compared against the standards set forth in AFR 8-13 and the corresponding ATC Supplement, and ATC Regulation 52-22. Data were displayed for the first-job (1-24 months TAFMS), first-enlistment (1-48 months TAFMS), 5-skill level, and 7-skill level groups.

Survey data support inclusion of the great majority of the paragraphs and subparagraphs in the STS. In fact, 72 of the 77 paragraphs or subparagraphs matched to survey data had at least 20 percent members performing matched tasks. The five areas that were not supported should be reviewed to ascertain whether or not they warrant continued inclusion in the STS. These STS items are shown in Table 17.

Tasks not matched to any paragraph or subparagraph of the STS are listed at the end of the STS computer listing. There were 102 technical tasks not matched that were performed by 20 percent or more of the criterion groups. These tasks were reviewed to determine if they concentrated around any particular functions or jobs. Of the 102 technical tasks, 44 were related in some way to Nonpowered AGE equipment. Training personnel and MAJCOM subject-matter experts should review these tasks to determine whether they warrant inclusion in the STS. Examples of these items are shown in Table 18; a complete listing is provided in the Training Extract.

### Plan of Instruction (POI)

Inventory tasks were also matched to Tentative POI C3ABR45431-000, Apprentice Aerospace Ground Equipment Mechanic, dated 15 April 1991. POI blocks and units of instruction were compared against the standard set forth in Attachment 1, ATCR 52-22, dated 17 February 1939 (30 percent or more of the criterion first-enlistment group performing tasks trained, along with sufficiently high TE and TD ratings on those tasks). Per this guidance, tasks trained in the course which do not meet these criteria should be considered for elimination from the formal course, if not justified on some other acceptable basis. For analysis, tasks matched to the POI blocks and units of instruction were displayed with first-job (1-24 months TAFMS) and first-enlistment (1-48 months TAFMS) data. Even though the POI is basically a theory-centered course, a review of the tasks matched to the POI reveals that 12 (14 percent) of the POI units of instruction or criterion objectives are not supported by OSR data. These blocks or units account for 48 hours of instructional time. Examples of four units of instruction with matched tasks which were not supported by data are presented in Table 19. A complete listing of the unsupported blocks and units of instruction can be found in Appendix C.

TABLE 17

## EXAMPLES OF UNSUPPORTED STS ELEMENTS

STS REFERENCE/TASKS	TNG EMPH	PERCENT MEMBERS PERFORMING						TASK DIFF
		1ST JOB	1ST ENL	5- LVL	7- LVL			
0106 8. AEROSPACE GROUND EQUIPMENT SUPPLY DISCIPLINE								
0109 8C. COST ESTIMATE AND REPAIR CRITERIA - B 4C								
B40 IMPLEMENT AFTO FORMS 375 (SELECTED SUPPORT EQUIPMENT REPAIR COST ESTIMATE) PROGRAMS	1.00	3	1	2	15		6.16	
E171 INITIATE AFTO FORMS 375 (SELECTED SUPPORT EQUIPMENT REPAIR COST ESTIMATE)	.86	2	1	2	15		5.38	
0125 11. RECIPROCATING ENGINES								
0126 11A. GASOLINE ENGINES								
0128 11A(2). INSPECT - B -								
F269 PERFORM LCS SERVICE INSPECTIONS	2.62	11	11	12	8		3.96	
G335 PERFORM LIQUID COOLANT SYSTEM (LCS) PERIODIC INSPECTIONS	1.86	8	9	10	6		4.70	
0132 11b. DIESEL ENGINES								
0134 11b(2). INSPECT 2B B -								
G335 PERFORM LIQUID COOLANT SYSTEM (LCS) PERIODIC INSPECTIONS	1.86	8	9	10	6		4.70	

TABLE 18

EXAMPLES OF AGE TASKS PERFORMED BY MORE THAN 20 PERCENT CRITERION  
GROUP MEMBERS BUT NOT REFERENCED TO 454X1 STS

STS REFERENCE/TASKS	TNG EMPH	PERCENT MEMBERS PERFORMING				TASK DIFF
		1ST JOB	1ST ENL	5- LVL	7- LVL	
F236 PERFORM AIRCRAFT TRI-POD OR AXLE JACK PREOPERATIONS INSPECTIONS	3.79	40	38	36	22	3.00
F238 PERFORM BATTERY START CART PREOPERATIONS INSPECTIONS	3.63	28	31	32	20	3.02
F258 PERFORM GASEOUS NITROGEN CART EQUIPMENT SERVICE INSPECTIONS	3.02	18	20	21	14	3.23
F267 PERFORM LIGHT-ALL CART PREOPERATIONS INSPECTIONS	5.62	70	71	65	37	3.44
F286 PERFORM NONPOWERED AGE AIRCRAFT SERVICING EQUIPMENT	3.53	44	46	44	25	3.13
G327 PERFORM FUEL BOWSER OR TRAILER PERIODIC INSPECTIONS	2.96	31	33	33	16	3.29
G346 PERFORM NONPOWERED AGE HYDRAULIC OPERATED EQUIPMENT PERIODIC INSPECTIONS	3.79	38	40	38	18	4.01
G347 PERFORM NONPOWERED MAINTENANCE STAND PERIODIC INSPECTIONS	3.89	44	45	44	21	3.60
G349 PERFORM OIL CART PERIODIC INSPECTIONS	3.63	36	37	37	18	3.39
H433 STRAIGHTEN INDICATOR LIGHT RECEPTACLES OR CONNECTORS	2.87	30	35	35	23	4.17
I539 REMOVE OR INSTALL SPARK PLUGS	4.09	72	72	67	37	3.34
P909 PICK UP OR DELIVER AGE	4.13	65	68	62	30	3.24
P917 TRACK AGE LOCATIONS	2.63	31	36	33	19	4.43
P919 TURN IN OR PICK UP VEHICLES	2.50	47	52	52	31	3.18
Q925 INSPECT CTKS	3.96	40	46	57	58	3.77
S977 REMOVE OR INSTALL NONPOWERED AGE CASTER ASSEMBLIES	2.83	37	43	45	27	3.46
S979 REMOVE OR INSTALL NONPOWERED AGE HYDRAULIC LINES	2.88	32	38	40	23	3.67
S980 REMOVE OR INSTALL NONPOWERED AGE HYDRAULIC PUMP COMPONENTS	2.88	23	30	33	21	4.13
S981 REMOVE OR INSTALL NONPOWERED AGE HYDRAULIC PUMPS	2.96	27	32	34	21	4.11
S982 REMOVE OR INSTALL NONPOWERED AGE RAM ASSEMBLIES	3.19	24	31	35	22	4.78
T1001 POSITION AGE TO AIRCRAFT	3.34	42	46	42	22	3.56

TABLE 19

## EXAMPLES OF UNSUPPORTED POI ELEMENTS

POI REFERENCE/TASKS	HRS TNG	TNG EMPH	PERCENT MEMBERS PERFORMING			TASK DIFF
			1ST JOB	1ST EVL	1ST EVL	
0106 VI 3A. USING A PETER DIESEL ENGINE TRAINER, TECHNICAL ORDER, A LOCALLY PREPARED CHECKLIST, AND CTK, TROUBLESHOOT THE INJECTOR BY PERFORMING THE SPRAY PATTERN TEST. TWO INSTRUCTOR ASSISTS ARE ALLOWED. STS: 11B(4) MEAS: PC	7					
I494 REMOVE DIESEL ENGINE FUEL INJECTORS		4.30	23	27		5.42
I561 TEST INJECTOR SPRAY PATTERNS		3.63	15	18		5.72
0127 VII 3E. USING A TECHNICAL ORDER, LOCALLY PREPARED CHECKLIST, COMPRESSION GAGE KIT, CTK AND TORQUE WRENCH, TROUBLESHOOT BY PERFORMING A COMPRESSION PRESSURE CHECK ON ONE CYLINDER OF A DETROIT DIESEL ENGINE. TWO INSTRUCTOR ASSISTS ARE ALLOWED. STS: 9B, 11B(4) MEAS: PC PROFICIENCY LEVEL: 2B	6.5					
I559 TEST CYLINDER COMPRESSION		4.03	12	18		4.59
0154 VIII 6B. USING CTK AND BENCH ITEMS, PERFORM A BLEED AIR HOSE BUILD-UP IAW TO. TWO INSTRUCTOR ASSISTS ARE ALLOWED. STS: 17E MEAS: PC PROFICIENCY LEVEL: 2B	6					
M741 BUILD BLEED AIR HOSES		4.53	20	27		5.06
0167 IX 4C. USING AFTO FORMS 244 AND 349, PERFORM SELECTED STEPS OF A PERIODIC INSPECTION ON A LOAD BANK IAW TO. ONE INSTRUCTOR ASSIST IS ALLOWED. STS: 20B MEAS: PC PROFICIENCY LEVEL: 2B	3.5					
G342 PERFORM LOAD BANK PERIODIC INSPECTIONS		5.55	26	29		5.75



One hundred and twenty of the tasks not matched to any block or unit of instruction of the POI had over 30 percent members performing for the criterion groups. A sample of these tasks is provided in Table 20; a complete listing may be found in the Training Extract. Using these data, subject-matter experts may perform an in-depth review of these tasks to determine the necessity and most effective means of including them in structured training.

Based on the data in Appendix C, it is evident that the majority of the formal course is supported by the survey analysis. Still, training personnel are encouraged to review Appendix C and the accompanying printouts of the POI matched with survey data as they undertake future revisions, if any, of the POI.

### JOB SATISFACTION ANALYSIS

Examination of the job satisfaction indicators for various groups gives career ladder managers a better understanding of some of the factors which may impact on job performance of personnel in the career ladder. Attitude questions covering job interest, perceived utilization of talents and training, sense of accomplishment from work, and reenlistment intentions were included in the survey booklet. The information from these questions is provided in Tables 21 through 23 and discussed below.

Job satisfaction data presented in Table 21 show the TAFMS groups for the AGE career ladder matched with similar data for a comparative sample of Mission Equipment Maintenance career ladders surveyed in 1990, which is the latest comparative data available. These data provide a relative measure of how job satisfaction of AGE personnel compares with that of other similar specialties. AFSC 454X1 personnel expressed comparable or greater job satisfaction across TAFMS groups in all surveyed areas.

Table 22 compares TAFMS groups of the current survey to those of the previous OSR. Second-enlistment and career members reported similar job satisfaction across all categories. First-enlistment members in the current survey reported significantly higher job satisfaction across all categories than members from the 1983 survey.

Table 23 provides data on personnel who perform the jobs discussed in the SPECIALTY JOBS section of this report. An examination of the data implies overall job satisfaction may be influenced by the type of job performed. Most jobs appear to have favorable percentages for the job satisfaction indicators. There are three jobs, however, that reflect fair-to-low percentages in at least one indicator: Heating Systems Mechanic, Nonpowered Maintenance Mechanic, and Munitions Handling Trailer Mechanic.

When there are issues in an occupation that are not directly addressed in the job inventory, survey respondents frequently provide write-in comments. Nineteen percent of the individuals in the survey sample used the write-in

TABLE 20

EXAMPLES OF AGE TASKS PERFORMED BUT NOT REFERENCED TO 454X1 POI

TASKS NOT REFERENCED	TNG EMPH	ATI	PERCENT MEMBERS PERFORMING		TASK DIFF
			1ST JOB	1ST ENL	
F267 PERFORM LIGHT-ALL CART PREOPERATIONS INSPECTIONS	5.62	18	70	71	3.44
F268 PERFORM LIGHT-ALL CART SERVICE INSPECTIONS	5.97	18	68	69	3.54
F281 PERFORM LOAD BANK SERVICE INSPECTIONS	6.23	18	50	54	3.97
F296 PERFORM TOW VEHICLE PREOPERATIONS INSPECTIONS	4.96	18	58	61	3.35
H365 CLEAN ELECTRICAL OR ELECTRONIC SYSTEMS	4.53	18	50	50	3.85
H366 CLEAN INDICATOR LIGHT RECEPTACLES OR CONNECTORS	3.50	17	47	50	3.19
H374 INSTALL ELECTRICAL GAUGES	3.90	17	57	58	3.87
H385 MEASURE ELECTRONIC SYSTEM VOLTAGE OR AMPERAGE	5.32	18	52	51	5.60
H407 REMOVE ELECTRICAL GAUGES	3.17	17	50	54	4.09
H410 REMOVE OR INSTALL BATTERY CABLES	4.12	18	67	66	3.13
H420 REMOVE OR INSTALL MANUAL TOGGLE SWITCHES	3.66	17	58	61	3.68
I461 CLEAN AND GAP SPARK PLUGS	4.63	18	74	74	3.36
I515 REMOVE OR INSTALL ENGINE OIL FILTERS	3.66	17	61	62	3.80
I523 REMOVE OR INSTALL ENGINE THROTTLE CABLES	3.63	17	49	57	4.34
I539 REMOVE OR INSTALL SPARK PLUGS	4.09	18	72	72	3.34
N807 REMOVE OR INSTALL HINGES, STAYS, OR FASTENERS	3.06	17	51	54	3.30
N814 STRAIGHTEN PANELS, DOORS, OR COVERS	2.85	17	60	62	3.02
P903 INSPECT VEHICLES FOR SAFETY OF OPERATION	4.43	18	54	62	3.60
P907 OPERATE TWO-WAY VEHICLE RADIOS	4.23	18	63	67	3.18
P909 PICK UP OR DELIVER AGE	4.13	18	65	68	3.24
P911 PREPARE AGE FOR MOBILITY OR TRAINING EXERCISES, OTHER THAN PALLETIZING OR DEPALLETIZING	3.65	17	45	52	4.33
P919 TURN IN OR PICK UP VEHICLES	2.50	16	47	52	3.18

TABLE 21

COMPARISON OF TAFMS GROUP JOB SATISFACTION INDICATORS  
(PERCENT MEMBERS RESPONDING)

JOB SATISFACTION INFORMATION	1-48 MOS TAFMS		49-96 MOS TAFMS		97+ MOS TAFMS	
	454X1 (N=959)	1990 COMP SAMPLE* (N=5,163)	454X1 (N=499)	1990 COMP SAMPLE* (N=3,559)	454X1 (N=1,039)	1990 COMP SAMPLE* (N=5,209)
<u>PERCEIVED JOB:</u>						
INTERESTING	72	68	72	69	77	72
SO-SO	18	19	18	19	16	17
DULL	10	13	9	11	7	10
<u>PERCEIVED USE OF TALENT:</u>						
FAIRLY WELL TO PERFECT	83	74	82	79	85	81
LITTLE OR NOT AT ALL	17	26	19	21	14	18
<u>PERCEIVED USE OF TRAINING:</u>						
FAIRLY WELL TO PERFECT	85	83	80	79	83	78
LITTLE OR NOT AT ALL	14	17	20	21	17	22
<u>SENSE OF ACCOMPLISHMENT FROM WORK:</u>						
SATISFIED	75	68	74	68	76	68
NEUTRAL	13	15	14	13	11	11
DISSATISFIED	11	17	12	18	13	21
<u>REENLISTMENT INTENTIONS:</u>						
WILL/PROBABLY WILL REENLIST	64	56	78	66	76	75
WILL NOT/PROBABLY WILL NOT REENLIST	35	44	22	33	8	11
WILL RETIRE	0	-	0	-	16	14

- Indicates less than 1 percent

\* Comparative sample composed of Mission Equipment Maintenance career ladders surveyed in 1990 (includes AFSCs 316X3, 324X0, 361X0, 361X1, 362X1, 362X3, 451X5, 451X6, 451X7, 452X1A/B/C, 452X3A/B/C, 455X0A/B, and 461X0)

NOTE: Category percentages may not add to 100 percent due to rounding or nonresponse by members of the sample

TABLE 22

COMPARISON OF TAFMS GROUP JOB SATISFACTION INDICATORS WITH PREVIOUS OSR  
(PERCENT MEMBERS RESPONDING)

<u>JOB SATISFACTION INFORMATION</u>	<u>1-48 MONTHS TAFMS</u>		<u>49-96 MONTHS TAFMS</u>		<u>97+ MONTHS TAFMS</u>	
	<u>1990</u>	<u>1983</u>	<u>1990</u>	<u>1983</u>	<u>1990</u>	<u>1983</u>
<u>PERCEIVED JOB:</u>						
INTERESTING	72	62	72	69	77	77
SO-SO	18	22	18	17	16	14
DULL	10	14	9	11	7	7
<u>PERCEIVED USE OF TALENT:</u>						
FAIRLY WELL TO PERFECT	83	74	82	81	85	86
LITTLE OR NOT AT ALL	17	25	19	19	14	13
<u>PERCEIVED USE OF TRAINING:</u>						
FAIRLY WELL TO PERFECT	85	76	80	75	83	85
LITTLE OR NOT AT ALL	14	24	20	25	17	14
<u>SENSE OF ACCOMPLISHMENT FROM WORK:</u>						
SATISFIED	75	66	74	70	76	74
NEUTRAL	13	15	14	13	11	10
DISSATISFIED	11	19	12	17	13	16
<u>REENLISTMENT INTENTIONS:</u>						
WILL/PROBABLY WILL REENLIST	64	52	78	76	76	78
WILL NOT/PROBABLY WILL NOT REENLIST	35	47	22	22	8	7
WILL RETIRE	0	0	0	0	16	14

NOTE: Category percentages may not add to 100 percent due to rounding or nonresponse by members of the sample

TABLE 23

COMPARISON OF JOB SATISFACTION INDICATORS FOR SPECIALTY JOBS  
(PERCENT MEMBERS RESPONDING)

JOB SATISFACTION INFORMATION	MAINT		APPREN		CHASSIS		HEATING		REFRIGE		PREOPS/		DISPATCH		TACS	
	MECH		MECH		MECH		MECH		MECH		SERVICE	INSPECT			MAINT	
<u>PERCEIVED JOB:</u>																
INTERESTING	78		87		70		55		80		67		65		66	
SO-SO	16		7		10		35		20		22		15		18	
DULL	6		7		20		10		0		11		23		16	
<u>PERCEIVED USE OF TALENT:</u>																
FAIRLY WELL TO PERFECT	89		93		80		85		80		79		69		75	
LITTLE OR NOT AT ALL	11		7		20		15		20		21		31		25	
<u>PERCEIVED USE OF TRAINING:</u>																
FAIRLY WELL TO PERFECT	93		100		90		80		100		83		77		66	
LITTLE OR NOT AT ALL	7		0		10		20		0		17		23		35	
<u>SENSE OF ACCOMPLISHMENT</u>																
<u>FROM WORK:</u>																
SATISFIED	80		87		80		60		90		69		62		71	
NEUTRAL	10		13		20		20		10		16		8		10	
DISSATISFIED	10		0		0		15		0		16		31		19	
<u>REENLISTMENT INTENTIONS:</u>																
WILL/PROBABLY WILL REENLIST	76		60		60		55		60		65		62		75	
WILL NOT/PROBABLY WILL NOT	21		40		40		25		40		31		38		23	
REENLIST	2		0		0		15		0		4		0		2	
WILL RETIRE	0		0		0		0		0		0		0		0	
OTHER																

NOTE: Category percentages may not add to 100 percent due to rounding or nonresponse

TABLE 23 (CONTINUED)

COMPARISON OF JOB SATISFACTION INDICATORS FOR SPECIALTY JOBS  
(PERCENT MEMBERS RESPONDING)

<u>JOB SATISFACTION INFORMATION</u>	<u>SENIOR SUPER</u>	<u>QUAL ASSUR INSP</u>	<u>BENCH STOCK/ PRODUCT CONTROL</u>	<u>NON- POWER AGE MAINT</u>	<u>MUNITIONS HANDLING TRAILER MECH</u>	<u>TECH</u>		<u>FTD</u>
						<u>SCHOOL</u>	<u>INSTRUCT</u>	
<u>PERCEIVED JOB:</u>								
INTERESTING	84	90	74	41	40	100		100
SO-SO	11	3	17	36	30	0		0
DULL	4	6	8	23	30	0		0
<u>PERCEIVED USE OF TALENT:</u>								
FAIRLY WELL TO PERFECT LITTLE OR NOT AT ALL	89 10	90 10	81 20	54 46	69 30	90 10		100 0
<u>PERCEIVED USE OF TRAINING:</u>								
FAIRLY WELL TO PERFECT LITTLE OR NOT AT ALL	91 9	90 10	66 34	55 46	42 58	90 10		100 0
<u>SENSE OF ACCOMPLISHMENT FROM WORK:</u>								
SATISFIED	80	90	77	49	51	100		100
NEUTRAL	9	3	13	26	30	0		0
DISSATISFIED	11	6	10	26	19	0		0
<u>REENLISTMENT INTENTIONS:</u>								
WILL/PROBABLY WILL REENLIST WILL NOT/PROBABLY WILL NOT REENLIST	63 10 26 1	90 0 10 0	75 20 5 0	69 26 4 1	70 28 2 0	80 10 10 0		100 0 0 0

NOTE: Category percentages may not add to 100 percent due to rounding or non-response

feature. The majority of the write-in comments (67 percent) deal with explaining the type of job held, job specifics, command specifics, expansion on answers to background questions, etc. Another portion (27 percent) addressed equipment used, and the remaining six percent (27) addressed a variety of topics.

Overall, job satisfaction is quite good in all aspects. It is notable that members of two of the three jobs reporting lesser levels of job satisfaction are unlike the rest of the career field (Nonpowered Maintenance and Munitions Handling Trailer), while TACS personnel, who normally perform tasks under field conditions and are essentially similar to the main tasking of the AFSC, reported good levels of job satisfaction in all aspects addressed by the survey.

### IMPLICATIONS

The 454X1 career ladder appears to have remained stable since the previous OSR. The job has remained essentially unchanged except for the new or deleted equipment. There appears to be a reasonable progression from each level of experience and responsibility to the next. AFR 39-1 provides an accurate picture of the responsibilities of the career ladder. The STS and POI accurately depict the tasks performed and the training required to send functional 3-skill levels to the field. All three documents could use some fine-tuning (as expressed above), but are basically sound.

Job satisfaction indicators for this career ladder are good. Most airmen are relatively happy with what they do, and intentions to reenlist are compatible with Air Force goals and comparable to or better than other similar career fields. Very few members sent write-ins expressing dissatisfaction, and their comments are typical of most career fields.

APPENDIX A



TABLE A1

GROUP NUMBER AND TITLE: STG341, MAINTENANCE MECHANIC  
 GROUP SIZE: 1,105 PERCENT OF SAMPLE: 44%  
 AVERAGE GRADE: E-4 AVERAGE TAFMS: 69 MONTHS  
 AVERAGE TICF: 65 MONTHS AVERAGE TASKS PERFORMED: 268

TASKS ARE LISTED IN DESCENDING ORDER OF PERCENT MEMBERS PERFORMING:

TASKS	PERCENT MEMBERS PERFORMING
I461 Clean and gap spark plugs	95
I539 Remove or install spark plugs	93
N801 Remove or install AGE tire, tube, or wheel assemblies	93
H415 Remove or install electrical fuses	92
N779 Adjust brake systems	92
N802 Remove or install batteries	92
F228 Perform air compressor preoperations inspections	92
H431 Solder electrical system wiring	92
H410 Remove or install battery cables	91
P894 Clean AGE	91
F267 Perform light-all cart preoperations inspections	90
N782 Clean or paint battery boxes	90
I523 Remove or install engine throttle cables	89
H432 Splice electrical system wiring	88
F262 Perform heater preoperations inspections	88
H420 Remove or install manual toggle switches	88
N790 Perform brake system operational checks	88
F229 Perform air compressor service inspections	87
N789 Paint, stencil, or mark AGE	87
H364 Clean contactor points	87
F280 Perform load bank preoperations inspections	86
F268 Perform light-all cart service inspections	86
I515 Remove or install engine oil filters	85
F263 Perform heater service inspections	85
F264 Perform hydraulic test stand preoperations inspections	85
N795 Reflectorize AGE	85
N814 Straighten panels, doors, or covers	84
N788 Pack wheel bearings	84
F260 Perform generator preoperations inspections	83
J575 Perform heater operational checks	82
H374 Install electrical gauges	82
P902 Fuel AGE	82
F261 Perform generator service inspections	82
H427 Remove voltage regulators	81
N813 Stop-drill panel cracks	81
F265 Perform hydraulic test stand service inspections	81

TABLE A2

GROUP NUMBER AND TITLE: STG319, APPRENTICE MECHANIC

GROUP SIZE: 15

PERCENT OF SAMPLE: Less than 1%

AVERAGE GRADE: E-3

AVERAGE TAFMS: 21 MONTHS

AVERAGE TICF: 17 MONTHS

AVERAGE TASKS PERFORMED: 89

TASKS ARE LISTED IN DESCENDING ORDER OF PERCENT MEMBERS PERFORMING:

TASKS	PERCENT MEMBERS PERFORMING
I515 Remove or install engine oil filters	93
N782 Clean or paint battery boxes	93
N789 Paint, stencil, or mark AGE	93
N802 Remove or install batteries	93
N788 Pack wheel bearings	93
N790 Perform brake system operational checks	93
N795 Reflectorize AGE	93
H415 Remove or install electrical fuses	93
N779 Adjust brake systems	93
I461 Clean and gap spark plugs	87
N813 Stop-drill panel cracks	87
H364 Clean contactor points	80
H410 Remove or install battery cables	80
H430 Research TOs, charts, or diagrams for electrical maintenance instructions	73
P894 Clean AGE	73
N801 Remove or install AGE tire, tube, or wheel assemblies	73
I544 Remove or install turbine engine atomizers	73
I545 Remove or install turbine engine combustor cans	73
H365 Clean electrical or electronic systems	67
H366 Clean indicator light receptacles or connectors	67
N783 Clean or paint exhaust system boxes	67
G331 Perform generator periodic inspections, other than teledyne inet generators	67
H431 Solder electrical system wiring	67
N814 Straighten panels, doors, or covers	67
I448 Adjust generator overspeed governors	67
I462 Clean commutators	67
H378 Install relays	67
I437 Adjust diesel engine fuel racks	67
N805 Remove or install enclosure assemblies	60
I539 Remove or install spark plugs	60
H374 Install electrical gauges	60
F260 Perform generator preoperations inspections	60
H420 Remove or install manual toggle switches	60
H417 Remove or install indicator light receptacles	60

TABLE A3

GROUP NUMBER AND TITLE: STG284, CHASSIS MECHANIC  
 GROUP SIZE: 10 PERCENT OF SAMPLE: Less than 1%  
 AVERAGE GRADE: E-2 AVERAGE TAFMS: 23 MONTHS  
 AVERAGE TICF: 20 MONTHS AVERAGE TASKS PERFORMED: 49

TASKS ARE LISTED IN DESCENDING ORDER OF PERCENT MEMBERS PERFORMING:

TASKS	PERCENT MEMBERS PERFORMING
N789 Paint, stencil, or mark AGE	100
N795 Reflectorize AGE	100
P894 Clean AGE	90
N802 Remove or install batteries	90
I461 Clean and gap spark plugs	90
N814 Straighten panels, doors, or covers	90
P902 Fuel AGE	80
P909 Pick up or deliver AGE	80
N788 Pack wheel bearings	80
P895 Clean or wax vehicles	70
P907 Operate two-way vehicle radios	70
N790 Perform brake system operational checks	70
F267 Perform light-all cart preoperations inspections	70
F296 Perform tow vehicle preoperations inspections	70
I539 Remove or install spark plugs	70
N801 Remove or install AGE tire, tube, or wheel assemblies	70
F262 Perform heater preoperations inspections	70
N782 Clean or paint battery boxes	60
P903 Inspect vehicles for safety of operation	60
G334 Perform light-all cart periodic inspections	60
N807 Remove or install hinges, stays, or fasteners	60
N813 Stop-drill panel cracks	60
F260 Perform generator preoperations inspections	60
F263 Perform heater service inspections	60
N779 Adjust brake systems	60
N793 Prepare AGE for painting, other than magnesium housings	50
F268 Perform light-all cart service inspections	50
G320 Perform bomb lift periodic inspections	50
S977 Remove or install nonpowered AGE caster assemblies	50
F287 Perform nonpowered AGE maintenance stand preoperations inspections	50
T1001 Position AGE to aircraft	40
F286 Perform nonpowered AGE aircraft servicing equipment preoperations inspections	40
H415 Remove or install electrical fuses	40
F242 Perform bomb lift preoperations inspections	40

TABLE A4

GROUP NUMBER AND TITLE: STG416, HEATING SYSTEMS MECHANIC  
 GROUP SIZE: 20 PERCENT OF SAMPLE: Less than 1%  
 AVERAGE GRADE: E-4 AVERAGE TAFMS: 75 MONTHS  
 AVERAGE TICF: 67 MONTHS AVERAGE TASKS PERFORMED: 134

TASKS ARE LISTED IN DESCENDING ORDER OF PERCENT MEMBERS PERFORMING:

TASKS	PERCENT MEMBERS PERFORMING
I515 Remove or install engine oil filters	100
J570 Adjust heater temperature settings	100
N788 Pack wheel bearings	100
J575 Perform heater operational checks	95
J574 Perform carbon monoxide tests (CMT)	95
J602 Test heater heat exchanger drains	95
J573 Isolate heater malfunctions	95
N802 Remove or install batteries	95
J587 Remove or install heater burner control valves	95
J594 Remove or install heater fuel lines	95
G332 Perform heater periodic inspections	90
N790 Perform brake system operational checks	90
J601 Research TOs, charts, or diagrams for heating systems maintenance instructions	90
J592 Remove or install heater ducting	90
N782 Clean or paint battery boxes	90
N779 Adjust brake systems	90
N789 Paint, stencil, or mark AGE	85
I461 Clean and gap spark plugs	85
I539 Remove or install spark plugs	85
J568 Adjust heater ignitor gaps	85
I507 Remove or install engine exhaust manifolds, seals, gaskets, or common hardware	85
J600 Remove or install heater temperature selector valves	85
N814 Straighten panels, doors, or covers	85
I488 Perform engine, motor, or generator operational checks	80
J593 Remove or install heater fuel atomizers	80
N813 Stop-drill panel cracks	80
J588 Remove or install heater check valves	80
F262 Perform heater preoperations inspections	75
H357 Adjust contactor points	75
E152 Annotate or complete AFTO Forms 244 or 245 (Industrial/ Support Equipment Record)	75
H366 Clean indicator light receptacles or connectors	75
I554 Research TOs for maintenance instructions on engines, motors, or generators	75

TABLE A5

GROUP NUMBER AND TITLE: STG407, REFRIGERATION MECHANIC

GROUP SIZE: 10

PERCENT OF SAMPLE: Less than 1%

AVERAGE GRADE: E-4

AVERAGE TAFMS: 71 MONTHS

AVERAGE TICF: 58 MONTHS

AVERAGE TASKS PERFORMED: 172

TASKS ARE LISTED IN DESCENDING ORDER OF PERCENT MEMBERS PERFORMING:

TASKS	PERCENT MEMBERS PERFORMING
F232 Perform air-conditioner preoperations inspections	100
K616 Gauge belt tensions	100
K604 Adjust belt tensions, other than hydraulic system fan belts	100
H415 Remove or install electrical fuses	100
K615 Evacuate refrigerant systems	100
H410 Remove or install battery cables	100
K610 Align compressor clutches	100
K611 Align compressor couplings	100
K626 Perform refrigeration equipment leakage tests	100
K668 Research TOs, charts, or diagrams for refrigeration systems or equipment cooler maintenance instructions	90
K624 Measure belt tensions	90
K627 Perform refrigeration system or equipment cooler operational checks	90
K614 Charge refrigerant systems	90
I515 Remove or install engine oil filters	90
H385 Measure electronic system voltage or amperage	90
K612 Align compressor sheeves	90
H365 Clean electrical or electronic systems	90
H407 Remove electrical gauges	90
H420 Remove or install manual toggle switches	90
H426 Remove relays	90
I516 Remove or install engine oil pressure-operated switches	90
H378 Install relays	90
H357 Adjust contactor points	90
K656 Remove or install refrigerant or equipment cooler gauges	90
I554 Research TOs for maintenance instructions on engines, motors, or generators	80
K609 Align blower sheeves	80
K641 Remove or install drive belts	80
I539 Remove or install spark plugs	80
H432 Splice electrical system wiring	80
H358 Adjust electromechanical pressure switches	80
F233 Perform air-conditioner service inspections	80

TABLE A6

GROUP NUMBER AND TITLE: STG185, PREOPERATIONS OR SERVICE INSPECTIONS  
 GROUP SIZE: 290 PERCENT OF SAMPLE: 11%  
 AVERAGE GRADE: E-3 AVERAGE TAFMS: 57 MONTHS  
 AVERAGE TICF: 51 MONTHS AVERAGE TASKS PERFORMED: 97

TASKS ARE LISTED IN DESCENDING ORDER OF PERCENT MEMBERS PERFORMING:

TASKS	PERCENT MEMBERS PERFORMING
F229 Perform air compressor service inspections	98
P894 Clean AGE	95
P902 Fuel AGE	89
F268 Perform light-all cart service inspections	89
F228 Perform air compressor preoperations inspections	89
P909 Pick up or deliver AGE	85
F263 Perform heater service inspections	85
F261 Perform generator service inspections	83
F267 Perform light-all cart preoperations inspections	82
F254 Perform gas turbine compressor service inspections	80
F265 Perform hydraulic test stand service inspections	80
P907 Operate two-way vehicle radios	79
F262 Perform heater preoperations inspections	77
I461 Clean and gap spark plugs	76
I539 Remove or install spark plugs	73
F260 Perform generator preoperations inspections	72
P895 Clean or wax vehicles	72
N802 Remove or install batteries	71
F264 Perform hydraulic test stand preoperations inspections	70
P903 Inspect vehicles for safety of operation	70
F233 Perform air-conditioner service inspections	68
H415 Remove or install electrical fuses	68
F253 Perform gas turbine compressor preoperations inspections	68
F232 Perform air-conditioner preoperations inspections	66
F243 Perform bomb lift service inspections	63
F280 Perform load bank preoperations inspections	62
N779 Adjust brake systems	62
F296 Perform tow vehicle preoperations inspections	61
F281 Perform load bank service inspections	60
F242 Perform bomb lift preoperations inspections	59
N782 Clean or paint battery boxes	58
E178 Initiate or annotate AFTO Forms 350 (Reparable Item Processing Tag)	58
E152 Annotate or complete AFTO Forms 244 or 245 (Industrial/ Support Equipment Record)	58
P919 Turn in or pick up vehicles	57

TABLE A7

GROUP NUMBER AND TITLE: STG342, DISPATCHER

GROUP SIZE: 13

PERCENT OF SAMPLE: Less than 1%

AVERAGE GRADE: E-4

AVERAGE TAFMS: 83 MONTHS

AVERAGE TICF: 79 MONTHS

AVERAGE TASKS PERFORMED: 33

TASKS ARE LISTED IN DESCENDING ORDER OF PERCENT MEMBERS PERFORMING:

TASKS	PERCENT MEMBERS PERFORMING
P909 Pick up or deliver AGE	92
P907 Operate two-way vehicle radios	92
P902 Fuel AGE	92
P895 Clean or wax vehicles	92
P894 Clean AGE	92
F254 Perform gas turbine compressor service inspections	92
F229 Perform air compressor service inspections	92
F265 Perform hydraulic test stand service inspections	85
P903 Inspect vehicles for safety of operation	77
F268 Perform light-all cart service inspections	77
F233 Perform air-conditioner service inspections	77
F263 Perform heater service inspections	69
P901 Dispatch AGE vehicle drivers	62
P911 Prepare AGE for mobility or training exercises, other than palletizing or depalletizing	62
T1001 Position AGE to aircraft	54
P919 Turn in or pick up vehicles	54
F261 Perform generator service inspections	54
F231 Perform air cycle machine service inspections	54
F243 Perform bomb lift service inspections	46
E152 Annotate or complete AFTO Forms 244 or 245 (Industrial/ Support Equipment Record)	46
F245 Perform CLT service inspections	46
P917 Track AGE locations	38
B53 Supervise Aerospace Ground Equipment Mechanics (AFSC 45451)	38
F296 Perform tow vehicle preoperations inspections	38
F252 Perform fuel bowser or trailer service inspections	38
P896 Coordinate AGE dispatch vehicle drivers schedules with action agencies	38
E132 Annotate or complete AF Forms 500 (Daily and Weekly Fuel Record)	38
P897 Coordinate vehicle or equipment requirements with maintenance control	38
E178 Initiate or annotate AFTO Forms 350 (Reparable Item Processing Tag)	38

TABLE A8

GROUP NUMBER AND TITLE: STG108, TACS MAINTENANCE  
 GROUP SIZE: 121 PERCENT OF SAMPLE: 5%  
 AVERAGE GRADE: E-4 AVERAGE TAFMS: 79 MONTHS  
 AVERAGE TICF: 78 MONTHS AVERAGE TASKS PERFORMED: 168

TASKS ARE LISTED IN DESCENDING ORDER OF PERCENT MEMBERS PERFORMING:

TASKS	PERCENT MEMBERS PERFORMING
H431 Solder electrical system wiring	88
O863 Perform mobile TACS generator operational checks	87
O865 Perform mobile TACS generator preoperations inspections	86
O885 Remove power cables	86
O875 Perform power cable maintenance	86
O866 Perform mobile TACS generator service inspections	85
O881 Remove or install grounding rods, fence posts, or concertina wires	85
H415 Remove or install electrical fuses	85
O843 Participate in weapons training	84
O822 Build power cables	83
H368 Clean printed circuit-board electrical connection tracks or runs	83
H432 Splice electrical system wiring	83
O883 Remove or install power cable heads	83
O832 Drive in vehicle convoys	82
O864 Perform mobile TACS generator periodic inspections	82
H377 Install printed circuit-boards	82
E152 Annotate or complete AFTO Forms 244 or 245 (Industrial/ Support Equipment Record)	81
E178 Initiate or annotate AFTO Forms 350 (Reparable Item Processing Tag)	81
H425 Remove printed circuit-boards	80
O869 Perform mobile TACS load bank service inspections	80
O871 Perform mobile TACS vehicle preoperations inspections	79
H385 Measure electronic system voltage or amperage	79
O868 Perform mobile TACS load bank preoperations inspections	79
E176 Initiate or annotate AF Forms 2005 (Issue/Turn-in Request)	79
H395 Parallel generators	79
O867 Perform mobile TACS load bank periodic inspections	77
H378 Install relays	77
O879 Remove or install camouflage spreaders	76
O882 Remove or install perimeter ropes and signs	76
O835 Fuel mobile tactical air control system (TACS) vehicles	75
O893 Tow mobilized equipment, other than fuel trailers or bowzers	75



TABLE A9

GROUP NUMBER AND TITLE: STG118, SENIOR SUPERVISOR

GROUP SIZE: 302

PERCENT OF SAMPLE: 12%

AVERAGE GRADE: E-6

AVERAGE TAFMS: 186 MONTHS

AVERAGE TICF: 179 MONTHS

AVERAGE TASKS PERFORMED: 109

TASKS ARE LISTED IN DESCENDING ORDER OF PERCENT MEMBERS PERFORMING:

TASKS	PERCENT MEMBERS PERFORMING
C87 Inspect work area cleanliness	95
C91 Write EPRs	94
A7 Determine work priorities	90
B33 Counsel personnel on personal or military matters	89
B50 Orient newly assigned personnel	79
A21 Plan or schedule work assignments	79
B46 Interpret policies, directives, or procedures for subordinates	77
A26 Schedule leaves or passes	77
C72 Evaluate personnel compliance with performance standards	76
A1 Assign personnel to duty positions	76
D115 Initiate or maintain training records, such as AF Forms 623 or 623A	74
B30 Conduct or participate in staff meetings	73
A13 Establish performance standards	71
B53 Supervise Aerospace Ground Equipment Mechanics (AFSC 45451)	70
A9 Develop work methods or procedures	69
C60 Complete self-inspection reports	69
C59 Analyze workload requirements	67
C73 Evaluate personnel for promotion, demotion, reclassification or special awards	67
E173 Initiate or annotate AF Forms 797 (Job Qualification Standard Continuation/Command JQS)	67
B54 Supervise Aerospace Ground Equipment Technicians (AFSC 45471)	67
A2 Assign sponsors for newly assigned personnel	65
A6 Determine requirements for space, personnel, equipment, or supplies	64
E152 Annotate or complete AFTO Forms 244 or 245 (Industrial/Support Equipment Record)	64
C82 Evaluate work schedules	63
A27 Schedule personnel for schools, temporary duty (TDY), or nontechnical training	63
B36 Direct maintenance or utilization of equipment, supplies, or workspace	62
D95 Assign on-the-job training (OJT) trainers or supervisors	61

TABLE A10

GROUP NUMBER AND TITLE: STG231, QUALITY ASSURANCE INSPECTOR  
 GROUP SIZE: 31 PERCENT OF SAMPLE: 1%  
 AVERAGE GRADE: E-6 AVERAGE TAFMS: 154 MONTHS  
 AVERAGE TICF: 146 MONTHS AVERAGE TASKS PERFORMED: 54

TASKS ARE LISTED IN DESCENDING ORDER OF PERCENT MEMBERS PERFORMING:

TASKS	PERCENT MEMBERS PERFORMING
B42 Implement quality assurance programs	94
R947 Inspect completed maintenance	90
R948 Inspect supervisor performance	87
R945 Evaluate suggested changes to TOs	84
R957 Perform quality assurance task evaluations	87
R950 Perform activity or performance spotchecks	84
R951 Perform AGE quality verification inspections (QVI)	84
C87 Inspect work area cleanliness	84
C72 Evaluate personnel compliance with performance standards	81
C75 Evaluate quality control procedures	77
R949 Perform activity inspections	77
R956 Perform quality assurance supervisor evaluations	74
C88 Investigate accidents or incidents	74
R955 Perform non-AGE related quality control activities, other than aircraft	68
B29 Compile information for reports or staff studies	68
R953 Perform foreign object damage (FOD) prevention inspections	65
R946 Evaluate unsatisfactory reports (UR)	65
R943 Evaluate maintenance deficiency reports (MDR)	61
B30 Conduct or participate in staff meetings	61
C68 Evaluate inspection reports or procedures	58
R958 Perform TO verifications, validations, or prepublication reviews	58
E146 Annotate or complete AF Forms 2419 (Routing and Review of Quality Control Reports)	55
C60 Complete self-inspection reports	55
C70 Evaluate job hazards or Air Force Occupational Safety and Health (AFOSH) program standard compliance	52
E147 Annotate or complete AF Forms 2420 (Quality Control Inspection Summary)	48
B46 Interpret policies, directives, or procedures for subordinates	48
C77 Evaluate specialty training standards (STS)	48
C71 Evaluate maintenance or utilization of work space, equipment, or supplies	48

TABLE A11

GROUP NUMBER AND TITLE: STG085, BENCH STOCK AND PRODUCTION CONTROL  
 GROUP SIZE: 143 PERCENT OF SAMPLE: 6%  
 AVERAGE GRADE: E-5 AVERAGE TAFMS: 103 MONTHS  
 AVERAGE TICF: 96 MONTHS AVERAGE TASKS PERFORMED: 61

TASKS ARE LISTED IN DESCENDING ORDER OF PERCENT MEMBERS PERFORMING:

TASKS	PERCENT MEMBERS PERFORMING
E176 Initiate or annotate AF Forms 2005 (Issue/Turn-in Request)	83
Q930 Maintain bench stocks	80
Q928 Issue or turn in special tools or shop equipment, other than CTKs	76
Q925 Inspect CTKs	75
Q926 Inventory special tools or shop equipment, other than CTKs	74
E178 Initiate or annotate AFTO Forms 350 (Reparable Item Processing Tag)	74
Q923 Establish bench stock levels	73
Q935 Maintain special tools or shop equipment, other than CTKs	71
Q934 Maintain shop stocks	71
A17 Monitor shelf life programs	69
Q936 Maintain work order residues	68
Q931 Maintain CTKs	66
B47 Inventory equipment or supplies	65
E153 Convert national stock numbers or part numbers	64
Q939 Perform general shop housekeeping, such as cleaning drip pans and sweeping floors	63
Q933 Maintain operational stocks	63
Q927 Issue or turn in CTKs	62
E135 Annotate or complete AF Forms 1297 (Temporary Issue Receipt)	62
E183 Initiate or attach condition serviceability tags, such as DD Forms 1574 (Serviceable Tag - Materiel)	59
Q932 Maintain hold bin parts	57
B49 Maintain status boards, graphs, or charts	57
E179 Initiate or annotate DD Forms 1348-1 (DOD Single Line Item Release/Receipt Document)	56
Q937 Monitor or track mission capable (MICAP) parts	55
E162 Determine due-in-from-maintenance (DIFM) equipment status	55
E152 Annotate or complete AFTO Forms 244 or 245 (Industrial/Support Equipment Record)	53
E203 Maintain AF Forms 1297 (Temporary Issuc Receipt) files	52

TABLE A12

GROUP NUMBER AND TITLE: STG192, NONPOWERED AGE MAINTENANCE  
 GROUP SIZE: 70 PERCENT OF SAMPLE: 3%  
 AVERAGE GRADE: E-4 AVERAGE TAFMS: 73 MONTHS  
 AVERAGE TICF: 69 MONTHS AVERAGE TASKS PERFORMED: 84

TASKS ARE LISTED IN DESCENDING ORDER OF PERCENT MEMBERS PERFORMING:

TASKS	PERCENT MEMBERS PERFORMING
S977 Remove or install nonpowered AGE caster assemblies	99
S981 Remove or install nonpowered AGE hydraulic pumps	97
S982 Remove or install nonpowered AGE ram assemblies	96
S980 Remove or install nonpowered AGE hydraulic pump components	96
S978 Remove or install nonpowered AGE hydraulic line assemblies	96
S976 Remove or install maintenance stand scissor assemblies	93
S975 Remove or install maintenance stand platforms	93
S979 Remove or install nonpowered AGE hydraulic lines	91
G347 Perform nonpowered maintenance stand periodic inspections	90
G346 Perform nonpowered AGE hydraulic operated equipment periodic inspections	84
S984 Remove or install nonpowered AGE structural components	84
S972 Remove or install aircraft towbar shear components	83
S983 Remove or install nonpowered AGE ram assembly pumps	81
S970 Remove or install aircraft towbar coupling assemblies	80
N788 Pack wheel bearings	74
G317 Perform aircraft tow bar periodic inspections	71
S971 Remove or install aircraft towbar coupling assembly components	70
G338 Perform liquid oxygen cart chassis periodic inspections	69
P894 Clean AGE	66
N795 Reflectorize AGE	64
G327 Perform fuel bowser or trailer periodic inspections	64
E178 Initiate or annotate AFTO Forms 350 (Reparable Item Processing Tag)	64
N789 Paint, stencil, or mark AGE	63
S973 Remove or install aircraft tripod or axle jack components	63
S965 Realign maintenance stands	63
E152 Annotate or complete AFTO Forms 244 or 245 (Industrial/ Support Equipment Record)	61
F287 Perform nonpowered AGE maintenance stand preoperations inspections	61
G340 Perform liquid oxygen trailer chassis periodic inspections	61
Q939 Perform general shop housekeeping, such as cleaning drip pans and sweeping floors	60
G336 Perform liquid nitrogen trailer chassis periodic inspections	60

TABLE A13

GROUP NUMBER AND TITLE: STG103, MUNITIONS HANDLING TRAILER MECHANIC  
 GROUP SIZE: 43 PERCENT OF SAMPLE: 2%  
 AVERAGE GRADE: E-4 AVERAGE TAFMS: 72 MONTHS  
 AVERAGE TICF: 65 MONTHS AVERAGE TASKS PERFORMED: 61

TASKS ARE LISTED IN DESCENDING ORDER OF PERCENT MEMBERS PERFORMING:

TASKS	PERCENT MEMBERS PERFORMING
G351 Perform powered munitions handling trailer periodic inspections	88
F290 Perform powered munitions handling trailer preoperations inspections	88
F291 Perform powered munitions handling trailer service inspections	84
F292 Perform shop support equipment preoperations inspections	84
E152 Annotate or complete AFTO Forms 244 or 245 (Industrial/Support Equipment Record)	84
E178 Initiate or annotate AFTO Forms 350 (Reparable Item Processing Tag)	84
F296 Perform tow vehicle preoperations inspections	79
F289 Perform nonpowered munitions handling trailer service inspections	74
F288 Perform nonpowered munitions handling trailer preoperations inspections	72
F293 Perform shop support equipment service inspections	70
H431 Solder electrical system wiring	70
G348 Perform nonpowered munitions handling trailer periodic inspections	65
Q939 Perform general shop housekeeping, such as cleaning drip pans and sweeping floors	65
E177 Initiate or annotate AFTO Forms 349 (Maintenance Data Collection Record)	63
H432 Splice electrical system wiring	63
E176 Initiate or annotate AF Forms 2005 (Issue/Turn-in Request)	60
H428 Repair cannon plugs	60
N788 Pack wheel bearings	58
H412 Remove or install cannon plugs	58
N789 Paint, stencil, or mark AGE	56
G352 Perform shop support equipment periodic inspections	56
Q925 Inspect CTKs	56
H385 Measure electronic system voltage or amperage	56
H420 Remove or install manual toggle switches	56
N779 Adjust brake systems	53
N790 Perform brake system operational checks	51

TABLE A14

GROUP NUMBER AND TITLE: STG175, TECH SCHOOL INSTRUCTOR  
 GROUP SIZE: 10 PERCENT OF SAMPLE: Less than 1%  
 AVERAGE GRADE: E-5 AVERAGE TAFMS: 98 MONTHS  
 AVERAGE TICF: 97 MONTHS AVERAGE TASKS PERFORMED: 41

TASKS ARE LISTED IN DESCENDING ORDER OF PERCENT MEMBERS PERFORMING:

TASKS	PERCENT MEMBERS PERFORMING
D100 Conduct resident course classroom training	100
D93 Administer tests	100
D103 Counsel trainees on training progress	90
D121 Score tests	90
B33 Counsel personnel on personal or military matters	80
D120 Procure training aids, space, or equipment	80
D108 Develop lesson plans	80
C87 Inspect work area cleanliness	70
C72 Evaluate personnel compliance with performance standards	70
B47 Inventory equipment or supplies	70
E152 Annotate or complete AFTO Forms 244 or 245 (Industrial/ Support Equipment Record)	70
D94 Advise staff or unit personnel on training matters	70
E178 Initiate or annotate AFTO Forms 350 (Reparable Item Processing Tag)	60
D107 Develop course curricula, plans of instruction (POI), or STSs	60
E135 Annotate or complete AF Forms 1297 (Temporary Issue Receipt)	60
B57 Update CA/CRLs	50
D97 Complete block training, such as buddy care and communication security	50
D118 Maintain training equipment	50
Q925 Inspect CTKs	50
D126 Write test questions	50
E176 Initiate or annotate AF Forms 2005 (Issue/Turn-in Request)	50
D98 Conduct AGE operator training	40
B48 Maintain custody authorization/custody receipt listings (CA/CRL) files	40
Q931 Maintain CTKs	40
A20 Plan or conduct briefings	40
B30 Conduct or participate in staff meetings	40
B46 Interpret policies, directives, or procedures for subordinates	40
D113 Evaluate training methods, techniques, or programs	40
Q939 Perform general shop housekeeping, such as cleaning drip pans and sweeping floors	40

TABLE A15

GROUP NUMBER AND TITLE: STG351, FTD INSTRUCTOR

GROUP SIZE: 10

PERCENT OF SAMPLE: Less than 1%

AVERAGE GRADE: E-6

AVERAGE TAFMS: 153 MONTHS

AVERAGE TICF: 146 MONTHS

AVERAGE TASKS PERFORMED: 132

TASKS ARE LISTED IN DESCENDING ORDER OF PERCENT MEMBERS PERFORMING:

TASKS	PERCENT MEMBERS PERFORMING
E214 Maintain technical order (TO) publications	100
D107 Develop course curricula, plans of instruction (POI), or STSs	100
I488 Perform engine, motor, or generator operational checks	100
I554 Research TOs for maintenance instructions on engines, motors, or generators	100
F260 Perform generator preoperations inspections	100
F280 Perform load bank preoperations inspections	100
D108 Develop lesson plans	90
H430 Research TOs, charts, or diagrams for electrical maintenance instructions	90
I478 Isolate engine, motor, or generator mechanical malfunctions	90
H385 Measure electronic system voltage or amperage	90
J601 Research TOs, charts, or diagrams for heating systems maintenance instructions	90
I449 Adjust generator voltage or frequency output settings	90
F253 Perform gas turbine compressor preoperations inspections	90
F254 Perform gas turbine compressor service inspections	90
F261 Perform generator service inspections	90
B33 Counsel personnel on personal or military matters	90
I437 Adjust diesel engine fuel racks	90
I438 Adjust diesel engine governors	90
I456 Adjust turbine engine crack pressures	90
J567 Adjust heater fuel pump pressures	90
I444 Adjust engine valve lash or clearances	90
F262 Perform heater preoperations inspections	90
F263 Perform heater service inspections	90
H359 Adjust generator governors or control units, other than overspeed governors	90
J574 Perform carbon monoxide tests (CMT)	90
I563 Time diesel engine fuel injectors	90
F264 Perform hydraulic test stand preoperations inspections	90
H415 Remove or install electrical fuses	90
D100 Conduct resident course classroom training	80
M778 Research TOs, charts, or diagrams for AGE pneumatic systems maintenance instructions	80

APPENDIX B



TABLE B-1A

AIRCRAFT SUPPORT GENERATORS MAINTAINED BY 20 PERCENT OR MORE OF A JOB

AIRCRAFT SUPPORT GENERATORS	DISPATCH ST0342 (N=13)	APPRENTICE MECHANIC ST0319 (N=15)	CHASSIS MECHANIC ST0284 (N=10)	PREOPS SERVICE INSPECT ST0185 (N=290)	HEATING SYSTEMS MECHANIC ST0416 (N=20)	MAINT MECHANIC ST0341 (N=1,105)	REFRIG MECHANIC ST0407 (N=10)
A/M32A-60	31	33	40	29	25	34	10
A/M32A-60A, B	46	47	50	54	30	65	30
A/M32C-86A, C, D HOBART, HOLLINGSW	69	93	40	82	55	79	50
MC-1A BOGUE ELEC, IDEAL, K AND R	31	20	10	16	10	23	10
MD-2 HOL-GAR, IDEAL, K AND R	8	7	0	7	0	13	30
MD-4 EL MACH, EL PR, ESS, ID EL, TE	8	33	10	31	25	45	50
NF-2	62	67	90	80	80	83	70
TF-1 LIGHT-ALL	46	20	20	38	55	40	10

TABLE B-1A (CONTINUED)

AIRCRAFT SUPPORT GENERATORS MAINTAINED BY 20 PERCENT OR MORE OF A JOB

AIRCRAFT SUPPORT GENERATORS	FTD INSTR ST0351 (N=10)	TACS MAINT ST0108 (N=121)	NON- POWERED MAINT ST0192 (N=70)	MUNITIONS HANDLING TRAILER ST0103 (N=43)	TECH SCHOOL INSTR ST0175 (N=10)	SENIOR SUPVR ST0118 (N=302)	QUALITY ASSURANCE ST0231 (N=31)	BENCH STOCK/ PRODUCTION CONTROL ST0085 (N=143)
A/M32A-60	0	0	4	0	10	23	16	8
A/M32C-86A, C, D HOBART, HOLLIN	70	5	29	9	0	60	39	23
MD-2 HOL-GAR, IDEAL, K AND R	10	3	1	2	0	20	19	7
MD-4 EL MACH, EL, PR, ESS, ID EL, TE	50	27	10	12	10	42	26	18
MEP-16	0	24	0	0	0	9	3	3
NF-2	30	2	20	2	0	63	26	22
TF-1 LIGHT-ALL	10	3	9	0	0	31	10	13

TABLE B-1B

AIRCRAFT SUPPORT GENERATORS MAINTAINED BY 20 PERCENT OR MORE OF A GROUP

AIRCRAFT SUPPORT GENERATORS	ALL 454X1 (N=2,540)	3-LEVEL (N=332)	5-LEVEL (N=1,372)	7-LEVEL (N=773)	COMBINED	
					3/5 LEVEL (N=1,704)	9/0 LEVEL (N=61)
A/M32A-60	25	36	25	22	27	11
A/M32A-60A,B	47	47	47	46	47	38
A/M32C-86A,C,D, HOBART, HOLLINGSW	61	62	64	58	63	39
MD-4 EL MACH, EL, PR, ESS, ID EL, TE	35	22	36	41	33	30
NF-2	62	68	64	57	65	43
TF-1 LIGHT-ALL	30	30	32	26	32	25

TABLE B-1C

## AIRCRAFT SUPPORT GENERATORS MAINTAINED BY 20 PERCENT OR MORE OF A GROUP

<u>AIRCRAFT SUPPORT GENERATORS</u>	<u>1ST JOB GP0010 (N=389)</u>	<u>1ST ENL GP0012 (N=959)</u>	<u>2ND ENL GP0013 (N=499)</u>	<u>CAREER GP0014 (N=1,039)</u>	<u>CONUS GP0019 (N=867)</u>	<u>O/S GP0020 (N=504)</u>
A/M32A-60	34	29	24	22	21	32
A/M32A-60A, B	48	48	48	46	45	52
A/M32C-86A, C, D, HOBART, HOLLINGSW	62	65	59	59	68	56
MD-4 EL MACH, EL PR, ESS, ID EL, TE	23	30	34	40	45	20
NF-2	69	68	61	57	65	63
TF-1 LIGHT-ALL	33	32	31	27	31	34

TABLE B-1D

AIRCRAFT SUPPORT GENERATORS MAINTAINED BY 20 PERCENT OR MORE OF A MAJCOM

ALL MAJCOM AIRCRAFT SUPPORT GENERATORS	AAC (N=29)	USAFE (N=505)	AFLC (N=9)	AFSC (N=63)	ATC (N=68)	MAC (N=317)	PACAF (N=155)	SAC (N=573)	TAC (N=789)	EUROPE (N=5)
A/M32A-10	28	5	0	2	1	1	6	2	8	0
A/M32A-60	38	37	56	48	9	5	31	17	30	40
A/M32A-60A,B	66	55	44	84	19	14	57	41	57	60
A/M32C-86A,C,D HOBART, HOLLINGSW	69	50	67	89	44	80	48	70	55	60
MC-1A BOGUE ELEC, IDEAL, K AND R	38	6	0	70	6	13	30	9	24	0
MD-2 HOL-GAR,										
IDEAL, K AND R	28	0	0	22	18	9	14	17	10	0
MD-3, A, B, M	24	10	11	44	18	6	12	8	11	20
MD-4 EL MACH, EL PR, ESS, ID EL, TE	55	6	11	62	13	38	41	45	44	0
MEP-116 A, B	7	1	22	6	3	1	5	0	12	0
MEP-16	7	6	0	2	0	9	20	2	8	0
NF-2	69	59	56	79	26	64	64	59	66	100
TELEDYNE INET	0	0	22	0	3	0	1	2	6	0
TF-1 LIGHT-ALL	0	37	56	59	4	23	39	22	34	60

TABLE B-1E

## AIRCRAFT SUPPORT GENERATORS MAINTAINED BY 20 PERCENT OR MORE OF A MAJCOM

FIRST-TERM MAJCOM AIRCRAFT SUPPORT GENERATORS	AAC (N=18)	USAFE (N=223)	AFLC (N=3)	AFSC (N=23)	ATC (N=10)	MAC (N=128)	PACAF (N=45)	SAC (N=229)	TAC (N=266)	AF ELEM EUROPE (N=3)
A-3A	0	0	33	0	0	0	0	1	0	0
A/M32A-10	33	5	0	0	10	1	9	2	9	0
A/M32A-13	0	0	33	0	0	0	0	0	0	0
A/M32A-60	39	41	67	61	10	4	42	21	33	67
A/M32A-60A,B	67	60	67	83	20	8	73	39	58	67
A/M32C-86A,C,D HOBART, HOLLINGSW	78	49	67	87	60	84	60	76	58	67
EMU/11M	0	0	33	0	0	1	2	0	0	0
MC-1A BOGUE ELEC, IDEAL, K AND R	44	9	0	70	0	9	29	11	23	0
MD-2 HOL-GAR, IDEAL, K AND R	22	0	0	22	10	5	16	11	4	0
MD-3, A, B, M	39	12	33	43	10	9	20	11	12	33
MD-4 EL MACH, EL PR, ESS, ID EL, TE	61	5	0	48	10	31	44	41	37	0
MEP-16	6	4	0	0	0	8	20	2	6	0
MEP-22	6	0	33	0	0	1	0	0	0	0
NF-2	72	69	67	83	0	66	78	62	71	100
TF-1 LIGHT-ALL	0	44	67	57	0	22	49	23	34	67

TABLE B-2A

AIRCRAFT SUPPORT AIR CONDITIONERS MAINTAINED BY 20 PERCENT OR MORE OF A JOB

<u>AIR CONDITIONERS</u>	<u>DISPATCH ST0342 (N=13)</u>	<u>APPRENTICE MECHANIC ST0319 (N=15)</u>	<u>CHASSIS MECHANIC ST0284 (N=10)</u>	<u>PREOPS SERVICE INSPECT ST0185 (N=290)</u>	<u>HEATING SYSTEMS MECHANIC ST0416 (N=20)</u>	<u>MAINT MECHANIC ST0341 (N=1,105)</u>	<u>REFRIG MECHANIC ST0407 (N=10)</u>
A/M32C-10A, B, C	38	13	50	35	20	50	20
A/M32C-5	8	7	0	4	0	9	10
MA-3	54	60	20	39	40	33	60
MA-3D	31	60	10	38	20	31	60

TABLE B-2A (CONTINUED)

AIRCRAFT SUPPORT AIR CONDITIONERS MAINTAINED BY 20 PERCENT OR MORE OF A JOB

AIR CONDITIONERS	FTD INSTR ST0351 (N=10)	TACS MAINT ST0108 (N=121)	NONPOWERED MAINT ST0192 (N=70)	MUNITIONS HANDLING TRAILER ST0103 (N=43)	TECH SCHOOL INSTR ST0175 (N=10)	SENIOR SUPVR ST0118 (N=302)	QUALITY ASSURANCE ST0231 (N=31)	BENCH STOCK/ PRODUCTION CONTROL ST0085 (N=143)
A/E 32C-18	0	21	0	0	0	2	0	1
A/E 32C-25	0	23	0	0	0	0	0	1
A/M32C-10A, B, C	30	0	4	0	10	32	13	7
MA-3	10	0	10	5	0	22	19	7
MA-3D	20	0	6	2	0	25	16	10



TABLE B-2B

AIRCRAFT SUPPORT AIR CONDITIONERS MAINTAINED BY  
20 PERCENT OR MORE OF A GROUP

<u>AIR CONDITIONERS</u>	<u>ALL 454X1 (N=2,540)</u>	<u>3-LVL (N=332)</u>	<u>5-LVL (N=1,372)</u>	<u>7-LVL (N=773)</u>	<u>COMBINED</u>	
					<u>3/5 LVL (N=1,704)</u>	<u>9/0 LVL (N=61)</u>
A/M32C-10A, B, C	34	43	34	31	35	23
MA-3	26	27	27	24	27	10
MA-3D	25	21	27	24	26	20

TABLE B-2C

AIRCRAFT SUPPORT AIR CONDITIONERS MAINTAINED BY  
20 PERCENT OR MORE OF A JOB

<u>AIR CONDITIONERS</u>	<u>1ST JOB (N=389)</u>	<u>1ST ENL (N=959)</u>	<u>2D ENL (N=499)</u>	<u>CAREER (N=1,039)</u>	<u>CONUS (N=867)</u>	<u>O/S (N=504)</u>
A/M32C-10A, B, C	41	37	33	31	28	43
MA-3	25	27	24	26	34	15
MA-3D	22	25	25	25	34	16

TABLE B-2D

AIRCRAFT SUPPORT AIR CONDITIONERS MAINTAINED BY 20 PERCENT OR MORE OF A MAJCOM

ALL MAJCOM AIR CONDITIONERS	AAC (N=29)	USAFE (N=505)	AFLC (N=9)	AFSC (N=63)	ATC (N=68)	MAC (N=317)	PACAF (N=155)	SAC (N=573)	TAC (N=789)	AF ELEM EUROPE (N=5)
A-3	0	1	11	0	0	0	2	1	1	20
A/E 32C-18	0	4	22	10	1	11	3	0	2	0
A/M32C-10A, B, C	52	50	33	59	15	6	52	10	48	60
A/M32C-4	45	2	0	49	6	2	13	5	5	0
A/M32C-6	45	9	0	62	1	3	17	6	25	20
ACE-406-322	0	1	22	0	1	1	1	4	2	0
ACE-406-329	7	1	22	0	1	0	1	4	6	0
G-36	0	0	11	29	0	0	0	0	0	0
MA-3	3	12	22	68	15	39	21	49	12	0
MA-3D	0	9	22	71	12	50	15	53	5	20

TABLE B-2E

## AIRCRAFT SUPPORT AIR CONDITIONERS MAINTAINED BY 20 PERCENT OR MORE OF A MAJCOM

FIRST-TERM MAJCOM AIR CONDITIONERS	AAC (N=18)	USAFE (N=223)	AFLC (N=3)	AFSC (N=23)	ATC (N=10)	MAC (N=128)	PACAF (N=45)	SAC (N=229)	TAC (N=266)	EUROPE (N=3)
A-3	0	2	33	0	0	1	2	2	1	33
A/M32C-10A, B, C	44	61	100	61	10	5	64	10	50	100
32C-4	56	1	0	35	0	2	13	4	4	0
A/M32C-5	56	13	0	48	0	1	24	7	23	33
MA-3	6	10	0	65	50	40	22	56	8	0
MA-3D	0	7	0	61	10	48	16	55	3	0

TABLE B-3A

BOMBLIFTS OR BOMB TRAILERS MAINTAINED BY 20 PERCENT OR MORE OF A JOB

BOMBLIFTS/TRAILERS	DISPATCH ST0342 (N=13)	APPRENTICE MECHANIC ST0319 (N=15)	CHASSIS MECHANIC ST0284 (N=10)	PREOPS SERVICE INSPECT ST0185 (N=290)	HEATING SYSTEMS MECHANIC ST0416 (N=20)	MAINT MECHANIC ST0341 (N=1,105)	REFRIG MECHANIC ST0407 (N=10)
MHU-83, A/3, 83A/E, 83B/E, 83C/E, 83E	54	40	50	58	25	64	20
MJ-1A TARHEEL, STNDR MFG	46	20	60	32	15	44	20
MJ-1B	38	33	80	53	20	60	10

TABLE B-3A (CONTINUED)

BOMBLIFTS OR BOMB TRAILERS MAINTAINED BY 20 PERCENT OR MORE OF A JOB

BOMBLIFTS/TRAILERS	FTD INSTR ST0351 (N=10)	TACS MAINT ST0108 (N=121)	NONPOWERED MAINT ST0192 (N=70)	MUNITIONS		TECH SCHOOL INSTR ST0175 (N=10)	SENIOR SUPVR ST0118 (N=302)	QUALITY ASSURANCE ST0231 (N=31)	BENCH STOCK/ PRODUCTION CONTROL ST0085 (N=143)
				HANDLING TRAILER ST0103 (N=43)	TRAILER				
ETU 77A/E	0	0	0	51		0	1	0	0
MHU-173/E	10	0	0	44		0	1	0	1
MHU-196	0	0	0	47		0	1	0	0
MHU-7/M	0	0	0	63		0	1	0	1
MHU-83, A/3, 83A/E, 83B/E, 83C/E, 83E	40	0	3	2		0	46	19	9
MJ-1A TARHEEL, STNDRO MFG	30	0	1	0		0	30	16	3
MJ-1B	40	0	3	0		0	40	19	6

TABLE B-3B

BOMBLIFTS OR BOMB TRAILERS MAINTAINED BY 20 PERCENT OR MORE OF A GROUP

<u>BOMBLIFTS/TRAILERS</u>	ALL 454X1 (N=2,540)	3-LEVEL (N=332)	5-LEVEL (N=1,372)	7-LEVEL (N=773)	<u>COMBINED</u>	
					3/5 LEVEL (N=1,704)	9/0 LEVEL (N=61)
MHU-83, A/3, 83A/E, 83B/E, 83C/E, 83E	45	51	45	44	47	31
MJ-1A TARHEEL, STNDRD MFG	30	39	30	28	31	18
MJ-1B	42	47	43	40	44	26

TABLE B-3C

BOMBLIFTS OR BOMB TRAILERS MAINTAINED BY  
20 PERCENT OR MORE OF A GROUP

<u>BOMBLIFTS/TRAILERS</u>	<u>1ST JOB</u> <u>(N=389)</u>	<u>1ST ENL</u> <u>(N=959)</u>	<u>2D ENL</u> <u>(N=499)</u>	<u>CAREER</u> <u>(N=1,039)</u>	<u>CONUS</u> <u>(N=867)</u>	<u>O/S</u> <u>(N=504)</u>
MHU-83, A/3, 83A/E, 83B/E, 83C/E, 83E	51	49	44	43	41	54
MJ-1A TARHEEL, STNDRD MFG	35	32	30	28	29	31
MJ-1B	48	46	42	38	39	49



TABLE B-3D

## BOMBLIFTS OR BOMB TRAILERS MAINTAINED BY 20 PERCENT OR MORE OF A MAJCOM

ALL MAJCOM BOMBLIFTS/TRAILERS	AAC (N=29)	USAFE (N=505)	AFLC (N=9)	AFSC (N=63)	ATC (N=68)	MAC (N=317)	PACAF (N=155)	SAC (N=573)	TAC (N=789)	EUROPE (N=5)
MHU-83, A/3, 83A/E, 83B/E, 83C/E, 83E	55	58	11	63	12	10	59	39	54	80
MJ-1A TARHEEL, STNDRD MFG	55	32	22	65	7	10	39	7	51	20
MJ-1B	59	54	33	59	7	9	54	34	53	60
MJ-4	24	3	11	0	0	1	5	1	8	0

TABLE B-3E

BOMBLIFTS OR BOMB TRAILERS MAINTAINED BY 20 PERCENT OR MORE OF A MAJCOM

<u>FIRST-TERM MAJCOM BOMBLIFTS/TRAILERS</u>	<u>AAC (N=18)</u>	<u>USAFE (N=223)</u>	<u>AFLC (N=3)</u>	<u>AFSC (N=23)</u>	<u>ATC (N=10)</u>	<u>MAC (N=128)</u>	<u>PACAF (N=45)</u>	<u>SAC (N=229)</u>	<u>TAC (N=266)</u>	<u>EUROPE (N=3)</u>
MHU-196	0	0	33	0	0	0	0	4	0	0
MHU-477E	0	0	33	0	0	0	0	0	0	0
MHU-83, A/3, 83A/E, 83B/E, 83C/E, 83E	56	67	33	65	10	10	62	39	55	100
MJ-1	28	17	33	17	10	2	11	7	18	0
MJ-1A TARHEEL, STNDRD MFG	50	39	67	61	0	9	38	10	54	33
MJ-1B	56	66	100	52	0	9	51	38	53	67
MJ-4	39	4	33	0	0	1	7	2	12	0

TABLE 8-4A

AIRCRAFT SUPPORT BLOWERS MAINTAINED BY 20 PERCENT OR MORE OF A JOB

BLOWERS	DISPATCH		APPRENTICE		CHASSIS		PREOPS		HEATING		MAINT		REFRIG	
	ST0342	(N=13)	MECHANIC	ST0319	MECHANIC	ST0284	SERVICE	INSPECT	SYSTEMS	MECHANIC	MECHANIC	ST0341	MECHANIC	ST0407
			(N=15)		(N=10)		(N=290)		(N=20)		(N=1,105)		(N=10)	
A-1	38		20		0		27		20		32		50	

TABLE B-4A (CONTINUED)

AIRCRAFT SUPPORT BLOWERS MAINTAINED BY 20 PERCENT OR MORE OF A JOB

BLOWERS	FTD		TACS		NONPOWERED		MUNITIONS		TECH		SENIOR		QUALITY		BENCH STOCK/	
	INSTR	ST0351	MAINT	ST0108	MAINT	ST0192	HANDLING	TRAILER	SCHOOL	INSTR	SUPVR	ST0118	ASSURANCE	ST0231	PRODUCTION	CONTROL
	(N=10)	(N=10)	(N=121)	(N=121)	(N=70)	(N=70)	(N=43)	(N=43)	(N=10)	(N=10)	(N=302)	(N=302)	(N=31)	(N=31)	(N=143)	(N=143)
A-1	0	0	0	0	7	7	2	2	0	0	35	35	23	23	9	9

TABLE B-4B

AIRCRAFT SUPPORT BLOWERS MAINTAINED BY 20 PERCENT OR MORE OF A GROUP

<u>BLOWERS</u>	ALL 454X1 (N=2,540)	3-LVL (N=332)	5-LVL (N=1,372)	7-LVL (N=773)	<u>COMBINED</u>	
					3/5 LVL (N=1,704)	9/0 LVL (N=61)
A-1	25	19	23	31	22	21

TABLE B-4C

AIRCRAFT SUPPORT BLOWERS MAINTAINED BY  
20 PERCENT OR MORE OF A GROUP

<u>BLOWERS</u>	<u>1ST JOB</u> <u>(N=389)</u>	<u>1ST ENL</u> <u>(N=959)</u>	<u>2D ENL</u> <u>(N=499)</u>	<u>CAREER</u> <u>(N=1,039)</u>	<u>CONUS</u> <u>(N=867)</u>	<u>O/S</u> <u>(N=504)</u>
A-1	20	22	20	29	23	23

TABLE B-4D

AIRCRAFT SUPPORT BLOWERS MAINTAINED BY 20 PERCENT OR MORE OF A MAJCOM

ALL MAJCOM BLOWERS	AAC (N=29)	USAFE (N=505)	AFLC (N=9)	AFSC (N=63)	ATC (N=68)	MAC (N=317)	PACAF (N=155)	SAC (N=573)	TAC (N=789)	EUROPE (N=5)
A-1	28	24	22	37	13	25	26	34	19	40
B4	0	1	11	2	0	2	1	2	0	20
MA-1	14	8	0	30	1	12	12	7	13	0

TABLE B-4E

AIRCRAFT SUPPORT BLOWERS MAINTAINED BY 20 PERCENT OR MORE OF A MAJCOM

<u>FIRST-TERM MAJCOM BLOWERS</u>	<u>AAC (N=18)</u>	<u>USAFE (N=223)</u>	<u>AFLC (N=3)</u>	<u>AFSC (N=23)</u>	<u>ATC (N=10)</u>	<u>MAC (N=128)</u>	<u>PACAF (N=45)</u>	<u>SAC (N=229)</u>	<u>TAC (N=266)</u>	<u>EUROPE (N=3)</u>
A-1	39	24	33	26	20	19	27	31	13	67
B1	0	5	33	4	10	10	9	7	3	0
B4	0	2	33	0	0	2	0	3	0	0
MA-1	22	9	0	26	0	16	18	6	11	0



TABLE B-5A

HYDRAULIC TEST STANDS MAINTAINED BY 20 PERCENT OR MORE OF A JOB

HYDRAULIC TEST STANDS	DISPATCH ST0342 (N=13)	APPRENTICE MECHANIC ST0319 (N=15)	CHASSIS MECHANIC ST0284 (N=10)	PREOPS SERVICE INSPECT ST0185 (N=290)	HEATING SYSTEMS MECHANIC ST0416 (N=20)	MAINT MECHANIC ST0341 (N=1,105)	REFRIG MECHANIC ST0407 (N=10)
MJ-1	8	27	20	22	25	21	10
MJ-1-1	23	27	0	13	0	13	20
MJ-2, A	38	33	20	33	35	38	20
MK-3, A	15	27	10	20	15	28	30
TTU-228/E-1B	38	7	20	28	5	32	20
TTU-228/E, -1A AMER DY	23	0	10	17	5	20	0
T-2 JACKING MANIFOLD	15	20	10	22	20	17	0

TABLE B-5A (CONTINUED)

HYDRAULIC TEST STANDS MAINTAINED BY 20 PERCENT OR MORE OF A JOB

HYDRAULIC TEST STANDS	FTD INSTR ST0351 (N=10)	TACS MAINT ST0108 (N=121)	NONPOWERED MAINT ST0192 (N=70)	MUNITIONS HANDLING TRAILER ST0103 (N=43)	TECH SCHOOL INSTR ST0175 (N=10)	SENIOR SUPVR ST0118 (N=302)	QUALITY ASSURANCE ST0231 (N=31)	BENCH STOCK/ PRODUCTION CONTROL ST0085 (N=143)
MJ-1-1	20	0	3	2	0	13	13	6
MJ-2, A	10	0	9	2	10	26	13	6
MK-3, A	10	0	7	0	0	25	10	6
TTU-228/E-1B	20	0	1	0	0	20	16	2

TABLE B-5B

HYDRAULIC TEST STANDS MAINTAINED BY 20 PERCENT OR MORE OF A GROUP

<u>HYDRAULIC TEST STANDS</u>	<u>ALL 454X1 (N=2,540)</u>	<u>3-LVL (N=332)</u>	<u>5-LVL (N=1,372)</u>	<u>7-LVL (N=773)</u>	<u>COMBINED</u>	
					<u>3/5 LVL (N=1,704)</u>	<u>9/0 LVL (N=61)</u>
MJ-2, A	27	29	28	26	28	15
MK-3, A	20	16	20	22	19	13
TTU-228/E-1B	22	22	23	22	23	11

TABLE B-5C

## HYDRAULIC TEST STANDS MAINTAINED BY 20 PERCENT OR MORE OF A GROUP

<u>HYDRAULIC TEST STANDS</u>	<u>1ST JOB (N=389)</u>	<u>1ST ENL (N=959)</u>	<u>2D ENL (N=499)</u>	<u>CAREER (N=1,039)</u>	<u>CONUS (N=867)</u>	<u>O/S (N=504)</u>
MJ-1	16	17	14	14	20	10
MJ-2, A	29	28	26	27	30	26
MK-3, A	16	16	22	22	25	12
TTU-228/E-1B	22	25	22	20	20	27

TABLE B-5D

## HYDRAULIC TEST STANDS MAINTAINED BY 20 PERCENT OR MORE OF A MAJCOM

ALL MAJCOM HYDRAULIC TEST STANDS	AAC (N=29)	USAFE (N=505)	AFSC (N=63)	ATC (N=68)	MAC (N=317)	PACAF (N=155)	SAC (N=573)	TAC (N=789)	EUROPE (N=5)
A/MT27-2A	28	2	0	17	0	1	2	6	0
A/M27T-2	0	3	22	29	1	2	8	6	0
MJ-1	17	4	22	35	19	21	13	9	0
MJ-1-1	0	3	22	21	18	12	1	3	0
MJ-2, A	17	24	44	60	16	38	28	29	40
MJ-3	0	1	33	6	1	3	2	1	0
MK-1	24	1	11	40	18	14	2	3	0
MK-3, A	7	8	0	49	19	16	23	24	0
NITRO PWRD HYDRAULIC CART	0	1	22	0	3	0	1	0	0
TTU-228/E-1B	55	29	0	49	10	6	36	29	40
TTU-228/E, -1A AMER DY	17	17	0	48	4	5	15	22	0
T-2 JACKING MANIFOLD	14	6	33	30	4	25	3	3	0

TABLE B-5E

## HYDRAULIC TEST STANDS MAINTAINED BY 20 PERCENT OR MORE OF A MAJCOM

FIRST-TERM MAJCOM HYDRAULIC TEST STANDS	AAC (N=18)	USAFE (N=223)	AFLC (N=3)	AFSC (N=23)	ATC (N=10)	MAC (N=128)	PACAF (N=45)	SAC (N=229)	TAC (N=266)	EUROPE (N=3)
A/MT27-2A	39	2	0	26	0	2	4	0	5	0
A/M27T-2	0	3	33	26	0	0	7	0	4	0
MJ-1	28	5	33	35	30	20	18	33	10	0
MJ-1-1	0	2	33	13	10	13	0	25	2	0
MJ-2, A	28	28	67	39	10	39	29	23	28	67
MJ-3	0	1	33	4	0	3	0	4	0	0
MK-1	39	1	0	30	10	9	4	17	3	0
MK-3, A	0	5	0	43	10	11	20	24	21	0
NITRO PWRD HYDRAULIC CART	0	3	33	0	10	0	2	1	1	0
TTU-228/E-1B	61	30	0	52	20	5	53	8	31	67
TTU-228/E, -1A AMER DY	22	19	0	43	10	2	16	3	20	0
T-2 JACKING MANIFOLD	22	4	33	26	20	27	2	32	3	0

TABLE B-6A

AIR COMPRESSORS MAINTAINED BY 20 PERCENT OR MORE OF A JOB

AIR COMPRESSORS	DISPATCH ST0342 (N=13)	APPRENTICE MECHANIC ST0319 (N=15)	CHASSIS MECHANIC ST0284 (N=10)	PREOPS SERVICE INSPECT ST0185 (N=290)	HEATING SYSTEMS MECHANIC ST0416 (N=20)	MAINT MECHANIC ST0341 (N=1,105)	REFRIG MECHANIC ST0407 (N=10)
MC-1A DAVEY (DIESEL)	77	67	60	83	85	84	60
MC-1A DAVEY (GASOLINE)	23	47	30	55	70	62	10
MC-2, 2A INGERSOLL RAND CHAMPION, WOR, CHAMP	85	40	40	66	75	73	40
MC-7 DAVEY, INGERSOLL RAND, WRTHGTH	38	7	10	46	50	51	20

TABLE B-6A (CONTINUED)

AIR COMPRESSORS MAINTAINED BY 20 PERCENT OR MORE OF A JOB

AIR COMPRESSORS	FTD INSTR ST0351 (N=10)	TACS MAINT ST0108 (N=121)	NONPOWERED MAINT ST0192 (N=70)	MUNITIONS HANDLING TRAILER ST0103 (N=43)	TECH SCHOOL INSTR ST0175 (N=10)	SENIOR SUPVR ST0118 (N=302)	QUALITY ASSURANCE ST0231 (N=31)	BENCH STOCK/ PRODUCTION CONTROL ST0085 (N=143)
MC-A1 DAVEY (DIESEL)	40	1	17	5	10	63	35	17
MC-A1 DAVEY (GASOLINE)	0	2	10	2	0	38	23	10
MC-2, 2A INGERSOLL RAND CHAMPION, WOR, CHAMP	0	17	14	2	10	55	26	15
MC-7 DAVEY, INGERSOLL RAND, WRTHNGTN	0	3	4	2	0	38	23	10



TABLE B-6B

## AIR COMPRESSORS MAINTAINED BY 20 PERCENT OR MORE OF A GROUP

<u>AIR COMPRESSORS</u>	ALL 454X1 (N=2,540)	3-LVL (N=332)	5-LVL (N=1,372)	7-LVL (N=773)	<u>COMBINED</u>	
					3/5 LVL (N=1,704)	9/0 LVL (N=61)
MC-1A DAVEY (DIESEL)	62	69	63	60	64	43
MC-1A DAVEY (GASOLINE)	44	54	47	36	48	23
MC-2, 2A INGERSOLL RAND CAHPION, WOR, CHAMP	54	47	58	52	55	33
MC-7 DAVEY, INGERSOLL RAND, WRTHNGTN	36	35	38	36	37	30

TABLE B-6C

## AIR COMPRESSORS MAINTAINED BY 20 PERCENT OR MORE OF A GROUP

<u>AIR COMPRESSORS</u>	<u>1ST JOB (N=389)</u>	<u>1ST ENL (N=959)</u>	<u>2D ENL (N=499)</u>	<u>CAREER (N=1,039)</u>	<u>CONUS (N=867)</u>	<u>O/S (N=504)</u>
MC-1A DAVEY (DIESEL)	69	66	61	60	64	62
MC-1A DAVEY (GASOLINE)	52	52	41	38	48	44
MC-2, 2A INGERSOLL RAND CHAMPION, WOR, CHAMP	49	54	57	52	59	56
MC-7 DAVEY, INGERSOLL RAND, WRTHNGTN	35	38	37	35	36	40

TABLE B-6D

## AIR COMPRESSORS MAINTAINED BY 20 PERCENT OR MORE OF A MAJCOM

ALL MAJCOM AIR COMPRESSORS	AAC (N=29)	USAFE (N=505)	AFLC (N=9)	AFSC (N=63)	ATC (N=68)	MAC (N=317)	PACAF (N=155)	SAC (N=573)	TAC (N=789)	EUROPE (N=5)
A/M32A-95	10	2	11	24	0	19	2	17	0	0
MA-3	3	2	22	6	1	3	2	2	1	0
MB-1	17	5	0	33	3	7	8	0	8	0
MB-8	7	6	0	17	0	9	23	10	7	0
MC-1	10	1	22	10	1	2	1	2	3	0
MC-1A DAVEY (DIESEL)	79	58	67	84	43	73	55	63	62	80
MC-1A DAVEY (GASOLINE)	66	44	56	81	14	42	32	50	42	20
MC-11 INGERSOLL RAND, WORTH	14	2	11	51	12	3	1	10	15	0
MC-2, 2A INGERSOLL RAND CHAMPION, WOR, CHAMP	59	47	33	62	31	61	55	52	58	100
MC-5 DAVEY	0	1	11	24	0	9	3	1	2	0
MC-7 DAVEY, INGERSOLL RAND, WRTHNGTN	34	36	33	41	12	44	52	25	41	60
2MC-1A	0	3	11	8	7	8	11	5	8	40
6MC-2A	10	4	0	5	4	6	5	4	4	20

TABLE B-6E

## AIR COMPRESSORS MAINTAINED BY 20 PERCENT OR MORE OF A MAJCOM

FIRST-TERM MAJCOM AIR COMPRESSORS	AAC (N=18)	USAFE (N=223)	AFC (N=3)	AFSC (N=23)	ATC (N=10)	MAC (N=128)	PACAF (N=45)	SAC (N=229)	TAC (N=266)	EUROPE (N=3)
MA-3	6	2	33	9	0	2	2	3	1	0
MB-1	22	4	0	17	0	2	13	0	5	0
MB-2A	11	1	33	0	0	2	4	1	0	0
MB-8	11	3	0	9	0	4	24	7	4	0
MC-1	17	1	33	9	0	2	0	2	2	0
MC-1A DAVEY (DIESEL)	83	65	67	74	80	77	67	67	59	100
MC-1A DAVEY (GASOLINE)	83	52	33	74	20	48	38	55	51	33
MC-11 INGERSOLL RAND, WORTH	17	1	0	30	10	2	0	12	14	0
MC-2, 2A INGERSOLL RAND CHAMPION, WOR, CHAMP	61	47	0	48	60	62	53	52	58	100
MC-5 DAVEY	0	2	33	13	0	13	9	2	2	0
MC-7 DAVEY, INGERSOLL RAND, WRTHNGTN	56	39	67	39	50	44	60	22	40	67
2MC-1A	0	3	0	4	10	5	11	5	6	33
6MC-2A	6	4	0	9	10	5	4	4	5	33

TABLE B-7A

HEATERS MAINTAINED BY 20 PERCENT OR MORE OF A JOB

HEATERS	DISPATCH ST0342 (N=13)	APPRENTICE MECHANIC ST0319 (N=15)	CHASSIS MECHANIC ST0284 (N=10)	PREOPS SERVICE INSPECT ST0185 (N=290)	HEATING SYSTEMS MECHANIC ST0416 (N=20)	MAINT MECHANIC ST0341 (N=1,105)	REFRIG MECHANIC ST0407 (N=10)
BT400 (GAS)	8	13	20	22	40	19	0
H-1 HUNTER, FIESTA, AMERICAN AIR FILTER, HERMAN NEL	46	67	40	63	85	67	50
HDU-13/M (ELECTRIC)	23	27	0	33	40	39	30
1H-1 DAVEY	31	47	70	43	40	43	20

TABLE B-7A (CONTINUED)

HEATERS MAINTAINED BY 20 PERCENT OR MORE OF A JOB

HEATERS	FTD INSTR ST0351 (N=10)	TACS MAINT ST0108 (N=121)	NONPOWERED MAINT ST0192 (N=70)	MUNITIONS HANDLING TRAILER ST0103 (N=43)	TECH SCHOOL INSTR ST0175 (N=10)	SENIOR SUPVR ST0118 (N=302)	QUALITY ASSURANCE ST0231 (N=31)	BENCH STOCK/ PRODUCTION CONTROL ST0085 (N=143)
H-1 HUNTER, FIESTA, AMERICAN AIR FILTER, HERMAN NEL	50	10	13	2	10	40	26	13
HDU-13/M (ELECTRIC)	0	0	4	2	10	32	26	10
1H-1 DAVEY	10	3	7	0	10	33	16	8

TABLE B-7B

## HEATERS MAINTAINED BY 20 PERCENT OR MORE OF A GROUP

<u>HEATERS</u>	<u>ALL 454X1 (N=2,540)</u>	<u>3-LVL (N=332)</u>	<u>5-LVL (N=1,372)</u>	<u>7-LVL (N=773)</u>	<u>COMBINED</u>	
					<u>3/5 LVL (N=1,704)</u>	<u>9/0 LVL (N=61)</u>
H-1 HUNTER, FIESTA, AMER AIR FILTER, HERMAN NEL	49	59	51	43	53	31
HDU-13/M (ELECTRIC)	29	23	29	32	28	26
1H-1 DAVEY	33	33	34	31	34	21

TABLE B-7C

## HEATERS MAINTAINED BY 20 PERCENT OR MORE OF A GROUP

<u>HEATERS</u>	<u>1ST JOB (N=389)</u>	<u>1ST ENL (N=959)</u>	<u>2D ENL (N=499)</u>	<u>CAREER (N=1,039)</u>	<u>CONUS (N=867)</u>	<u>O/S (N=504)</u>
H-1 HUNTER, FIESTA, AMERICAN AIR FILTER, HERMAN NEL	56	56	47	44	50	53
HDU-13/M (ELECTRIC)	22	26	27	33	33	24
1H-1 DAVEY	34	33	35	31	39	25



TABLE B-7D

## HEATERS MAINTAINED BY 20 PERCENT OR MORE OF A MAJCOM

<u>ALL MAJCOM HEATERS</u>	<u>AAC</u> <u>(N=29)</u>	<u>USAFE</u> <u>(N=505)</u>	<u>AFLC</u> <u>(N=9)</u>	<u>AFSC</u> <u>(N=63)</u>	<u>ATC</u> <u>(N=68)</u>	<u>MAC</u> <u>(N=317)</u>	<u>PACAF</u> <u>(N=155)</u>	<u>SAC</u> <u>(N=573)</u>	<u>TAC</u> <u>(N=789)</u>	<u>EUROPE</u> <u>(N=5)</u>
BT400 (GAS)	0	11	22	16	3	23	3	24	11	20
H-1 HUNTER, FIESTA, AMERICAN AIR FILTER, HERMAN NEL	83	56	33	67	40	50	42	54	41	0
HDU-13/M (ELECTRIC)	41	20	22	63	24	35	29	35	26	0
1H-1 DAVEY	24	25	44	57	13	39	28	27	40	0

TABLE B-7E

HEATERS MAINTAINED BY 20 PERCENT OR MORE OF A MAJCOM

<u>FIRST-TERM MAJCOM HEATERS</u>	<u>AAC</u> <u>(N=18)</u>	<u>USAFE</u> <u>(N=223)</u>	<u>AFLC</u> <u>(N=3)</u>	<u>AFSC</u> <u>(N=23)</u>	<u>ATC</u> <u>(N=10)</u>	<u>MAC</u> <u>(N=128)</u>	<u>PACAF</u> <u>(N=45)</u>	<u>SAC</u> <u>(N=229)</u>	<u>TAC</u> <u>(N=266)</u>	<u>EUROPE</u> <u>(N=3)</u>
BT400 (GAS)	0	13	67	17	0	24	0	23	11	0
H-1 HUNTER, FIESTA, AMER AIR FILTER, HERMAN NEL	83	66	67	61	50	52	40	58	47	0
HDU-13/M (ELECTRIC)	67	21	33	43	40	32	31	30	19	0
1H-1 DAVEY	33	28	67	61	30	38	29	26	39	0

TABLE B-8A

TACS GENERATORS MAINTAINED BY 20 PERCENT OR MORE OF A JOB

TACS GENERATORS	DISPATCH ST0342 (N=13)	APPRENTICE MECHANIC ST0319 (N=15)	CHASSIS MECHANIC ST0284 (N=10)	PREOPS SERVICE INSPECT ST0185 (N=290)	HEATING SYSTEMS MECHANIC ST0416 (N=20)	MAINT MECHANIC ST0341 (N=1,105)	REFRIG MECHANIC ST0407 (N=10)
MD-4	0	20	0	13	5	19	10

TABLE B-8A (CONTINUED)

TACS GENERATORS MAINTAINED BY 20 PERCENT OR MORE OF A JOB

TACS GENERATORS	FTD INSTR ST0351 (N=10)	TACS MAINT ST0108 (N=121)	NONPOWERED MAINT ST0192 (N=70)	MUNITIONS HANDLING TRAILER ST0103 (N=43)	TECH SCHOOL INSTR ST0175 (N=10)	SENIOR SUPVR ST0118 (N=302)	QUALITY ASSURANCE ST0231 (N=31)	BENCH STOCK/ PRODUCTION CONTROL ST0085 (N=143)
A/E24U-8	20	77	0	0	0	3	0	3
EMU-12/E (GT-400HZ)	10	40	1	0	0	5	0	2
EMU-30/E (GT-400HZ)	0	22	0	0	0	0	0	2
MD-4	20	35	1	2	0	13	6	6
MEP-4	0	29	0	0	0	1	0	2
MEP-5	0	39	0	0	0	2	0	3
MEP016A	0	22	1	0	0	3	0	1

TABLE B-8B

TACS GENERATORS MAINTAINED BY 20 PERCENT OR MORE OF A GROUP

<u>TACS GENERATORS</u>	ALL 454X1 (N=2,540)	3-LVL (N=332)	5-LVL (N=1,372)	7-LVL (N=773)	<u>COMBINED</u>	
					3/5 LVL (N=1,704)	9/0 LVL (N=61)
*MD-4	15	10	17	13	16	3

\* None meet the 20 percent criteria; the MD-4 comes closest

TABLE B-8C

## TACS GENERATORS MAINTAINED BY 20 PERCENT OR MORE OF A GROUP

<u>TACS GENERATORS</u>	<u>1ST JOB (N=389)</u>	<u>1ST ENL (N=959)</u>	<u>2D ENL (N=499)</u>	<u>CAREER (N=1,039)</u>	<u>CONUS (N=867)</u>	<u>O/S (N=504)</u>
MD-4	13	15	18	13	20	12

TABLE B-8D

TACS GENERATORS MAINTAINED BY 20 PERCENT OR MORE OF A MAJCOM

<u>ALL MAJCOM TACS GENERATORS</u>	<u>AAC (N=29)</u>	<u>USAFE (N=505)</u>	<u>AFLC (N=9)</u>	<u>AFSC (N=63)</u>	<u>ATC (N=68)</u>	<u>MAC (N=317)</u>	<u>PACAF (N=155)</u>	<u>SAC (N=573)</u>	<u>TAC (N=789)</u>	<u>EUROPE (N=5)</u>
MD-4	21	2	0	19	7	13	30	13	21	0
MEP-4	0	1	11	0	0	2	10	1	5	20

TABLE B-8E

TACS GENERATORS MAINTAINED BY 20 PERCENT OR MORE OF A MAJCOM

FIRST-TERM MAJCOM TACS GENERATORS	TACS GENERATORS MAINTAINED BY 20 PERCENT OR MORE OF A MAJCOM							
	AAC (N=18)	USAFE (N=223)	AFLC (N=3)	AFSC (N=23)	ATC (N=10)	MAC (N=128)	PACAF (N=45)	SAC (N=229)
MD-4	28	2	0	13	0	10	33	14
MEP-4	0	1	0	0	0	2	4	0
								8
								33
								25
								0
								0
								33



TABLE B-9A

NONPOWERED AGE-CARTS MAINTAINED BY 20 PERCENT OR MORE OF A JOB

NONPOWERED AGE-CARTS	DISPATCH ST0342 (N=13)	APPRENTICE MECHANIC ST0319 (N=15)	CHASSIS MECHANIC ST0284 (N=10)	PREOPS SERVICE INSPECT ST0185 (N=290)	HEATING SYSTEMS MECHANIC ST0416 (N=20)	MAINT MECHANIC ST0341 (N=1,105)	REFRIG MECHANIC ST0407 (N=10)
BATTERY	23	7	30	26	35	34	20
COWLING	0	27	0	8	20	10	10
GASEOUS NITROGEN	46	20	40	44	25	59	20
GASEOUS OXYGEN	46	27	30	40	35	51	20
HYDRAULIC SERVICING	54	27	50	49	35	68	10
LIQUID NITROGEN	69	13	50	47	35	61	30
LIQUID OXYGEN (LOX)	69	27	50	54	35	69	20
OIL SERVICING	54	13	50	44	40	64	10
START	8	7	20	20	40	24	10
WASH	23	7	40	22	25	25	0

TABLE B-9A (CONTINUED)

NONPOWERED AGE-CARTS MAINTAINED BY 20 PERCENT OR MORE OF A JOB

NONPOWERED AGE-CARTS	FTD INSTR ST0351 (N=10)	TACS MAINT ST0108 (N=121)	NONPOWERED MAINT ST0192 (N=70)	MUNITIONS HANDLING TRAILER ST0103 (N=43)	TECH SCHOOL INSTR ST0175 (N=10)	SENIOR SUPVR ST0118 (N=302)	QUALITY ASSURANCE ST0231 (N=31)	BENCH STOCK/ PRODUCTION CONTROL ST0085 (N=143)
BATTERY	0	0	7	2	0	25	16	8
COWLING	0	0	33	0	0	7	10	2
GASEOUS NITROGEN	0	0	74	2	0	39	32	13
GASEOUS OXYGEN	0	1	74	2	0	34	26	11
HYDRAULIC SERVICING	0	0	70	2	0	41	23	10
LIQUID NITROGEN	0	0	71	2	0	37	26	9
L'QUID OXYGEN (LOX)	0	0	76	2	0	44	32	11
OIL SERVICING	0	0	40	5	0	42	23	8

TABLE B-9B

## NONPOWERED AGE-CARTS MAINTAINED BY 20 PERCENT OR MORE OF A GROUP

NONPOWERED AGE-CARTS	ALL 454X1 (N=2,540)	3-LVL (N=332)	5-LVL (N=1,372)	7-LVL (N=773)	COMBINED	
					3/5 LVL (N=1,704)	9/0 LVL (N=61)
BATTERY	24	28	24	21	25	15
GASEOUS NITROGEN	42	40	45	40	44	25
GASEOUS OXYGEN	38	36	41	35	40	21
HYDRAULIC SERVICING	48	49	51	42	51	28
LIQUID NITROGEN	43	51	45	39	46	21
LIQUID OXYGEN (LOX)	49	54	53	43	53	30
OIL SERVICING	44	47	46	40	46	28

TABLE B-9C

## NONPOWERED AGE-CARTS MAINTAINED BY 20 PERCENT OR MORE OF A GROUP

<u>NONPOWERED AGE-CARTS</u>	<u>1ST JOB (N=389)</u>	<u>1ST ENL (N=959)</u>	<u>2D ENL (N=499)</u>	<u>CAREER (N=1,039)</u>	<u>CONUS (N=867)</u>	<u>O/S (N=504)</u>
BATTERY	29	27	24	20	22	30
GASEOUS NITROGEN	41	44	46	39	43	50
GASEOUS OXYGEN	38	40	40	35	40	43
HYDRAULIC SERVICING	50	51	52	42	48	57
LIQUID NITROGEN	50	48	45	38	41	51
LIQUID OXYGEN (LOX)	54	54	52	44	50	58
OIL SERVICING	48	46	49	39	40	56
START	19	19	17	13	15	23
WASH	20	19	20	16	19	18

TABLE B-9D

## NONPOWERED AGE-CARTS MAINTAINED BY 20 PERCENT OR MORE OF A MAJCOM

ALL MAJCOM NONPOWERED AGE-CARTS	AAC (N=29)	USAFE (N=505)	AFLC (N=9)	AFSC (N=63)	ATC (N=68)	MAC (N=317)	PACAF (N=155)	SAC (N=573)	TAC (N=789)	EUROPE (N=5)
AGE COOLANT	21	6	22	6	3	1	6	3	9	20
BATTERY	38	30	0	19	12	16	26	18	27	40
COWLING	3	5	11	2	1	4	3	25	5	0
FC-77	3	0	22	0	0	0	0	0	5	0
FILTER	14	1	22	0	3	1	1	1	6	0
GASEOUS NITROGEN	59	45	56	14	22	27	57	37	50	40
GASEOUS OXYGEN	59	42	33	17	22	27	28	40	42	60
HYDRAULIC SERVICING	59	57	44	22	18	21	59	39	61	60
LIQUID NITROGEN	62	54	56	19	12	23	52	35	53	60
LIQUID OXYGEN (LOX)	66	59	56	21	28	34	57	40	58	80
OIL SERVICING	62	58	44	17	18	11	63	28	60	60
START	28	19	0	27	6	8	34	15	14	0
WASH	17	16	0	24	13	22	15	7	25	0

TABLE B-9E

## NONPOWERED AGE-CARTS MAINTAINED BY 20 PERCENT OR MORE OF A MAJCOM

FIRST-TERM MAJCOM NONPOWERED AGE-CARTS	NONPOWERED AGE-CARTS MAINTAINED BY 20 PERCENT OR MORE OF A MAJCOM								
	AAC (N=18)	USAFE (N=223)	AFSC (N=3)	ATC (N=10)	MAC (N=128)	PACAF (N=45)	SAC (N=229)	TAC (N=266)	EUROPE (N=3)
AGE COOLANT	22	6	0	0	10	2	11	3	33
BATTERY	39	37	0	13	10	16	31	17	67
COWLING	6	4	0	0	0	4	4	24	0
GASEOUS NITROGEN	61	51	67	9	40	27	67	37	67
GASEOUS OXYGEN	61	50	0	9	40	27	29	39	67
HYDRAULIC SERVICING	56	67	33	13	20	23	69	34	100
LIQUID NITROGEN	56	66	100	13	20	25	62	34	100
LIQUID OXYGEN (LOX)	61	71	67	13	60	34	71	38	100
OIL SERVICING	56	67	33	4	30	9	73	25	100
START	33	21	0	17	0	8	42	19	0
WASH	22	18	0	26	50	18	16	7	0

TABLE B-10A

NONPOWERED AGE-JACKS MAINTAINED BY 20 PERCENT OR MORE OF A JOB

NONPOWERED AGE-JACKS	DISPATCH ST0342 (N=13)		APPRENTICE MECHANIC ST0319 (N=15)		CHASSIS MECHANIC ST0284 (N=10)		PREOPS SERVICE INSPECT ST0185 (N=290)		HEATING SYSTEMS MECHANIC ST0416 (N=20)		MAINT MECHANIC ST0341 (N=1,105)		REFRIG MECHANIC ST0407 (N=10)	
AIRCRAFT MAIN GEAR, RHINO	31		0		20		17		10		26		30	
AIRCRAFT NOSE	38		7		30		34		20		51		30	
AIRCRAFT TRIPOD	62		7		70		48		25		68		20	
FLOOR	46		20		30		51		50		70		30	

TABLE B-10A (CONTINUED)

NONPOWERED AGE-JACKS MAINTAINED BY 20 PERCENT OR MORE OF A JOB

	FTD INSTR ST0351 (N=10)	TACS MAINT ST0108 (N=121)	NONPOWERED MAINT ST0192 (N=70)	MUNITIONS HANDLING TRAILER ST0103 (N=43)	TECH SCHOOL INSTR ST0175 (N=10)	SENIOR SUPVR ST0118 (N=302)	QUALITY ASSURANCE ST0231 (N=31)	BENCH STOCK PRODUCTION CONTROL ST0085 (N=143)
NONPOWERED AGE-JACKS								
AIRCRAFT MAIN GEAR, RHINO	0	0	59	0	0	13	23	8
AIRCRAFT NOSE	0	1	67	0	0	36	23	9
AIRCRAFT TRIPOD	0	1	41	33	0	44	19	10
FLOOR	0	4	67	42	0	51	29	13



TABLE B-10B

## NONPOWERED AGE-JACKS MAINTAINED BY 20 PERCENT OR MORE OF A GROUP

NONPOWERED AGE-JACKS	ALL 454X1 (N=2,540)	3-LVL (N=332)	5-LVL (N=1,372)	7-LVL (N=773)	COMBINED	
					3/5 LVL (N=1,704)	9/0 LVL (N=61)
AIRCRAFT MAIN GEAR, RHINO	19	16	21	16	20	11
AIRCRAFT NOSE	37	34	39	35	38	28
AIRCRAFT TRIPOD	48	53	49	43	50	30
FLOOR	51	57	53	48	54	30

TABLE B-10C

## NONPOWERED AGE-JACKS MAINTAINED BY 20 PERCENT OR MORE OF A GROUP

<u>NONPOWERED AGE-JACKS</u>	<u>1ST JOB (N=389)</u>	<u>1ST ENL (N=959)</u>	<u>2D ENL (N=499)</u>	<u>CAREER (N=1,039)</u>	<u>CONUS (N=867)</u>	<u>O/S (N=504)</u>
AIRCRAFT MAIN GEAR, RHINO	19	19	22	16	19	25
AIRCRAFT NOSE	38	37	38	35	37	41
AIRCRAFT TRIPOD	55	53	49	42	44	59
FLOOR	57	55	55	46	50	58

TABLE B-10D

## NONPOWERED AGE-JACKS MAINTAINED BY 20 PERCENT OR MORE OF A MAJCOM

<u>ALL MAJCOM NONPOWERED AGE-JACKS</u>	<u>AAC</u> <u>(N=29)</u>	<u>USAFE</u> <u>(N=505)</u>	<u>AFLC</u> <u>(N=9)</u>	<u>AFSC</u> <u>(N=63)</u>	<u>ATC</u> <u>(N=68)</u>	<u>MAC</u> <u>(N=317)</u>	<u>PACAF</u> <u>(N=155)</u>	<u>SAC</u> <u>(N=573)</u>	<u>TAC</u> <u>(N=789)</u>	<u>EUROPE</u> <u>(N=5)</u>
AIRCRAFT MAIN GEAR, RHINO	41	17	22	11	10	21	17	21	18	20
AIRCRAFT NOSE	59	44	33	19	21	28	26	22	50	60
AIRCRAFT TRIPOD	62	61	33	21	26	31	65	18	67	80
FLOOR	55	59	44	33	25	39	55	40	63	100

TABLE B-10E

## NONPOWERED AGE-JACKS MAINTAINED BY 20 PERCENT OR MORE OF A MAJCOM

FIRST-TERM MAJCOM NONPOWERED AGE-JACKS	AAC (N=18)	USAFE (N=223)	AFLC (N=3)	AFSC (N=23)	ATC (N=10)	MAC (N=128)	PACAF (N=45)	SAC (N=229)	TAC (N=266)	EUROPE (N=3)
AIRCRAFT MAIN GEAR, RHINO	39	17	0	4	20	22	16	18	22	0
AIRCRAFT NOSE	61	51	33	17	50	30	27	15	49	67
AIRCRAFT TRIPOD	50	77	33	17	60	33	80	13	73	100
FLOOR	50	69	67	30	60	37	60	37	68	100

TABLE B-11A

NONPOWERED AGE-STANDS MAINTAINED BY 20 PERCENT OR MORE OF A JOB

NONPOWERED AGE-STANDS							
	DISPATCH ST0342 (N=13)	APPRENTICE MECHANIC ST0319 (N=15)	CHASSIS MECHANIC ST0284 (N=10)	PREOPS SERVICE INSPECT ST0185 (N=290)	HEATING SYSTEMS MECHANIC ST0416 (N=20)	MAINT MECHANIC ST0341 (N=1,105)	REFRIG MECHANIC ST0407 (N=10)
STAND OR TRAILER, AGE ENGINE	8	0	20	14	5	21	10
B-1 MAINTENANCE	85	33	90	67	45	81	20
B-2 MAINTENANCE	62	33	40	41	35	55	0
B-4 MAINTENANCE	77	33	70	64	40	78	30
B-5A MAINTENANCE	38	27	20	30	20	32	30
C-1 MAINTENANCE	54	13	50	51	40	69	10

TABLE B-11A (CONTINUED)

NONPOWERED AGE-STANDS MAINTAINED BY 20 PERCENT OR MORE OF A JOB

NONPOWERED AGE-STANDS	FTD	TACS	NONPOWERED	MUNITIONS	TECH	SENIOR	QUALITY	BENCH STOCK/
	INSTR ST0351 (N=10)	MAINT ST0108 (N=121)	MAINT ST0192 (N=70)	HANDLING TRAILER ST0103 (N=43)	SCHOOL INSTR ST0175 (N=10)	SUPVR ST0118 (N=302)	ASSURANCE ST0231 (N=31)	PRODUCTION CONTROL ST0085 (N=143)
B-1 MAINT	0	1	99	2	0	57	32	15
B-2 MAINT	0	0	96	2	0	38	26	9
B-4 MAINT	0	3	100	2	0	55	32	15
B-5A MAINT	0	1	96	5	0	29	29	10
B-6 MAINT	0	0	29	2	0	4	10	1
C-1 MAINT	0	2	80	2	0	49	26	12

TABLE B-11B

NONPOWERED AGE-STANDS MAINTAINED BY 20 PERCENT OR MORE OF A GROUP

NONPOWERED AGE-STANDS	ALL 454X1 (N=2,540)	3-LVL (N=332)	5-LVL (N=1,372)	7-LVL (N=773)	COMBINED	
					3/5 LVL (N=1,704)	9/0 LVL (N=61)
B-1 MAINT	60	65	63	54	63	36
B-2 MAINT	41	40	44	36	43	30
B-4 MAINT	58	41	61	52	61	36
B-5A MAINT	27	22	30	25	29	20
C-1 MAINT	50	49	52	47	51	33

TABLE B-11C

NONPOWERED AGE-STANDS MAINTAINED BY 20 PERCENT OR MORE OF A GROUP

<u>NONPOWERED AGE-STANDS</u>	<u>1ST JOB (N=389)</u>	<u>1ST ENL (N=959)</u>	<u>2D ENL (N=499)</u>	<u>CAREER (N=1,039)</u>	<u>CONUS (N=867)</u>	<u>O/S (N=504)</u>
B-1 MAINT	64	65	62	54	59	69
B-2 MAINT	39	43	45	36	42	47
B-4 MAINT	60	62	61	52	59	65
B-5A MAINT	22	27	29	27	31	29
C-1 MAINT	51	52	53	46	47	60



TABLE B-11D

## NONPOWERED AGE-STANDS MAINTAINED BY 20 PERCENT OR MORE OF A MAJCOM

<u>ALL MAJCOM NONPOWERED AGE-STANDS</u>	<u>AAC</u> <u>(N=29)</u>	<u>USAFE</u> <u>(N=505)</u>	<u>AFSC</u> <u>(N=9)</u>	<u>AFSC</u> <u>(N=63)</u>	<u>ATC</u> <u>(N=68)</u>	<u>MAC</u> <u>(N=317)</u>	<u>PACAF</u> <u>(N=155)</u>	<u>SAC</u> <u>(N=573)</u>	<u>TAC</u> <u>(N=789)</u>	<u>EUROPE</u> <u>(N=5)</u>
STAND OR TRAILER, AGE ENGINE	28	16	11	17	7	11	24	14	14	20
STAND OR TRAILER, AIRCRAFT ENGINE	17	7	11	19	3	6	3	4	5	40
AIRCRAFT WEAPONS BAY	0	1	0	2	0	0	0	2	0	20
B-1 MAINT	69	69	67	24	28	48	72	44	72	80
B-1-1 MAINT	3	1	22	2	3	2	3	4	2	0
B-2 MAINT	69	38	44	14	21	45	55	39	42	20
B-4 MAINT	69	66	56	22	28	47	68	43	70	80
B-5A MAINT	41	19	44	21	24	44	25	40	16	20
B-6 MAINT	7	1	22	2	3	2	3	16	7	0
B-7 MAINT	48	0	11	0	0	13	1	1	2	0
C-1 MAINT	62	63	44	14	18	29	63	32	64	80

TABLE B-11E

## NONPOWERED AGE-STANDS MAINTAINED BY 20 PERCENT OR MORE OF A MAJCOM

FIRST-TERM MAJCOM NONPOWERED AGE-STANDS	AAC (N=18)	USAF (N=223)	AFLC (N=3)	AFSC (N=23)	ATC (N=10)	MAC (N=128)	PACAF (N=45)	SAC (N=229)	TAC (N=266)	EUROPE (N=3)
STAND OR TRAILER, AGE ENGINE	33	21	33	9	10	9	27	13	14	33
STAND OR TRAILER, AIRCRAFT ENGINE	6	9	0	13	0	6	4	7	7	67
STAND, AIRCRAFT WEAPONS BAY	0	0	0	0	0	0	0	1	0	33
B-1 MAINT	61	22	100	17	60	45	87	43	78	100
B-1-1 MAINT	6	1	33	0	0	2	4	2	3	0
B-2 MAINT	61	43	67	0	60	42	64	37	45	33
B-4 MAINT	61	76	67	13	60	44	82	42	76	100
B-5A MAINT	44	17	33	13	60	37	31	40	17	0
B-6 MAINT	0	1	0	0	20	4	9	17	8	0
B-7 MAINT	61	0	33	0	0	13	0	1	3	0
C-1 MAINT	61	73	67	17	10	19	80	28	67	100

TABLE B-12A

NONPOWERED AGE-TRAILERS MAINTAINED BY 20 PERCENT OR MORE OF A JOB

NONPOWERED AGE-TRAILERS	DISPATCH ST0342 (N=13)	APPRENTICE MECHANIC ST0319 (N=15)	CHASSIS MECHANIC ST0284 (N=10)	PREOPS SERVICE INSPECT ST0185 (N=290)	HEATING SYSTEMS MECHANIC ST0416 (N=20)	MAINT MECHANIC ST0341 (N=1,105)	REFRIG MECHANIC ST0407 (N=10)
TRAILER, ENGINE COWLING	15	27	20	12	15	13	30
TRAILER, F-2 UTILITY	38	13	20	33	25	52	30
TRAILER, LOWBOY	31	13	30	26	15	33	10

TABLE B-12A (CONTINUED)

NONPOWERED AGE-TRAILERS MAINTAINED BY 20 PERCENT OR MORE OF A JOB

NONPOWERED AGE-TRAILERS	FTD INSTR ST0351 (N=10)	TACS MAINT ST0108 (N=121)	NONPOWERED MAINT ST0192 (N=70)	MUNITIONS HANDLING TRAILER ST0103 (N=43)	TECH SCHOOL INSTR ST0175 (N=10)	SENIOR SUPVR ST0118 (N=302)	QUALITY ASSURANCE ST0231 (N=31)	BENCH STOCK/ PRODUCTION CONTROL ST0085 (N=143)
TRAILER, AIRCRAFT ENGINE COWLING	0	0	61	2	0	12	10	3
TRAILER, F-2 UTILITY	0	2	79	19	0	45	26	13
TRAILER, LOWBOY	0	1	39	0	0	21	16	5
TRAILER, XM 720 MOBILIZER	0	29	0	0	0	1	0	1
TRAILER, 105	0	24	3	0	0	1	0	1

TABLE B-12B

NONPOWERED AGE-TRAILERS MAINTAINED BY  
20 PERCENT OR MORE OF A GROUP

<u>NONPOWERED AGE-TRAILERS</u>	<u>ALL 454X1 (N=2,540)</u>	<u>3-LVL (N=332)</u>	<u>5-LVL (N=1,372)</u>	<u>7-LVL (N=773)</u>	<u>COMBINED</u>	
					<u>3/5 LVL (N=1,704)</u>	<u>9/0 LVL (N=61)</u>
TRAILER, F-2 UTILITY	39	27	40	42	37	28
TRAILER, LOWBOY	23	23	25	21	25	10

TABLE B-12C

NONPOWERED AGE-TRAILERS MAINTAINED BY  
20 PERCENT OR MORE OF A GROUP

<u>NONPOWERED AGE-TRAILERS</u>	<u>1ST JOB (N=389)</u>	<u>1ST ENL (N=959)</u>	<u>2D ENL (N=499)</u>	<u>CAREER (N=1,039)</u>	<u>CONUS (N=867)</u>	<u>O/S (N=504)</u>
TRAILER, F-2 UTILITY	28	34	44	40	40	39
TRAILER, LOWBOY	21	24	26	21	25	26

TABLE B-12D

## NONPOWERED AGE-TRAILERS MAINTAINED BY 20 PERCENT OR MORE OF A MAJCOM

ALL MAJCOM NONPOWERED AGE-TRAILERS	AAC (N=29)	USAFE (N=505)	AFLC (N=9)	AFSC (N=63)	ATC (N=68)	MAC (N=317)	PACAF (N=155)	SAC (N=573)	TAC (N=789)	EUROPE (N=5)
TRAILER, AIRCRAFT ENGINE COWLING	7	8	33	11	1	5	4	32	6	20
TRAILER, DUCT	10	2	33	3	1	1	0	3	6	0
TRAILER, F-2 UTILITY	38	39	22	14	16	34	39	35	47	60
TRAILER, LOWBOY	41	23	22	10	13	10	37	14	35	20

TABLE B-12E

## NONPOWERED AGE-TRAILERS MAINTAINED BY 20 PERCENT OR MORE OF A MAJCOM

<u>FIRST-TERM MAJCOM NONPOWERED AGE-TRAILERS</u>	<u>AAC (N=18)</u>	<u>USAF (N=223)</u>	<u>AFSC (N=3)</u>	<u>AFSC (N=23)</u>	<u>ATC (N=10)</u>	<u>MAC (N=128)</u>	<u>PACAF (N=45)</u>	<u>SAC (N=229)</u>	<u>TAC (N=266)</u>	<u>EUROPE (N=3)</u>
TRAILER, AIRCRAFT ENGINE COWLING	0	7	0	0	0	3	7	31	7	33
TRLR, B-1B AIRCRAFT FUEL TNK TRAN	6	1	33	0	0	0	0	3	0	0
TRAILER, BOMB LIFT RECOVERY	22	13	33	4	0	2	11	1	5	0
TRAILER, DUCT	6	1	33	0	10	2	0	2	6	0
TRAILER, F-2 UTILITY	39	37	0	9	10	27	38	27	41	67
TRAILER, LOWBOY	50	26	33	9	0	9	47	13	36	33



TABLE B-13A

NONPOWERED AGE-MISCELLANEOUS MAINTAINED BY 20 PERCENT OR MORE OF A JOB

NONPOWERED AGE-MISC	DISPATCH ST0342 (N=13)	APPRENTICE MECHANIC ST0319 (N=15)	CHASSIS MECHANIC ST0284 (N=10)	PREOPS SERVICE INSPECT ST0185 (N=290)	HEATING SYSTEMS MECHANIC ST0416 (N=20)	MAINT MECHANIC ST0341 (N=1,105)	REFRIG MECHANIC ST0407 (N=10)
ADAPTER, B-1 MAINT STAND	8	7	30	23	20	24	20
BOWSER, FUEL	46	27	50	56	45	67	20
BOWSER, HYDRAULIC FLUID	8	7	50	20	10	29	10
BOWSER, OIL	23	13	30	32	30	33	10
CRANE, FLOOR	54	13	40	34	35	57	20
DOLLY, AIRCRAFT WHEEL	8	20	20	22	30	38	0
DOLLY, TANK	31	7	40	30	5	37	0
HOIST, MOBILE OVERHEAD	8	0	0	12	25	22	0
MAINTENANCE PLATFORM	15	27	20	30	5	36	20
STAIRCASE, AIRCRAFT	0	0	0	4	10	10	20
TOW BAR, AIRCRAFT	62	20	80	61	40	77	30

TABLE B-13A (CONTINUED)

NONPOWERED AGE-MISCELLANEOUS, MAINTAINED BY 20 PERCENT OR MORE OF A JOB

NONPOWERED AGE-MISC	FTD INSTR ST0351 (N=10)	TACS MAINT ST0108 (N=121)	NONPOWERED MAINT ST0192 (N=70)	MUNITIONS HANDLING TRAILER ST0103 (N=43)	TECH SCHOOL INSTR ST0175 (N=10)	SENIOR SUPVR ST0118 (N=302)	QUALITY ASSURANCE ST0231 (N=31)	BENCH STOCK/ PRODUCTION CONTROL ST0085 (N=143)
ADAPTER, B-1 MAINT STAND	0	1	44	2	0	14	16	2
BOWSER, FUEL	0	9	81	2	0	48	26	10
BOWSER, HYDRAULIC FLUID	0	0	57	7	0	22	13	3
BOWSER, OIL	0	6	57	5	0	25	13	5
CRANE, FLOOR	0	14	44	21	0	41	19	13
DOLLY, AIRCRAFT WHEEL	0	0	53	2	0	26	16	7
DOLLY, TANK	0	1	10	0	0	24	13	3
HOIST, MOBILE OVERHEAD	0	12	33	28	0	14	10	3
MAINTENANCE PLATFORM	0	1	61	5	0	31	13	7
TOW BAR, AIRCRAFT	0	1	93	2	0	54	32	13

TABLE B-13B

NONPOWERED AGE-MISCELLANEOUS MAINTAINED BY  
20 PERCENT OR MORE OF A GROUP

NONPOWERED AGE-MISCELLANEOUS	ALL 454X1 (N=2,540)	3-LVL (N=332)	5-LVL (N=1,372)	7-LVL (N=773)	COMBINED	
					3/5 LVL (N=1,704)	9/0 LVL (N=61)
ADAPTER, B-1 MAINT STAND	19	25	21	14	22	8
BOWSER, FUEL	50	53	53	45	53	28
BOWSER, HYDRAULIC FLUID	22	21	23	21	22	13
BOWSER, OIL	26	29	27	25	27	13
CRANE, FLOOR	41	37	43	40	42	26
DOLLY, AIRCRAFT WHEEL	27	25	28	26	28	11
DOLLY, TANK	25	28	26	23	26	16
MAINT PLATFORM	28	29	29	27	29	20
TOW BAR, AIRCRAFT	56	61	58	51	59	34

TABLE B-13C

NONPOWERED AGE-MISCELLANEOUS MAINTAINED BY  
20 PERCENT OR MORE OF A GROUP

<u>NONPOWERED AGE-MISCELLANEOUS</u>	<u>1ST JOB (N=389)</u>	<u>1ST ENL (N=959)</u>	<u>2D ENL (N=499)</u>	<u>CAREER (N=1,039)</u>	<u>CONUS (N=867)</u>	<u>O/S (N=504)</u>
ADAPTER, B-1 MAINT STAND	27	24	19	14	21	20
BOWSER, FUEL	53	55	50	44	52	53
BOWSER, HYDRAULIC FLUID	22	22	24	20	25	18
BOWSER, OIL	27	29	27	24	28	25
CRANE, FLOOR	37	41	43	40	41	47
DOLLY, AIRCRAFT WHEEL	28	26	32	25	28	29
DOLLY, TANK	28	28	27	21	24	30
HOIST, MOBILE OVERHEAD	14	16	21	14	17	19
MAINT PLATFORM	31	30	28	26	26	34
TOW BAR, AIRCRAFT	60	60	58	51	56	63

TABLE B-13D

## NONPOWERED AGE-MISCELLANEOUS, MAINTAINED BY 20 PERCENT OR MORE OF A MAJCOM

ALL MAJCOM NONPOWERED AGE-MISC	AAC (N=29)	USAF (N=505)	AFSC (N=63)	ATC (N=68)	MAC (N=317)	PACAF (N=155)	SAC (N=573)	TAC (N=789)	EUROPE (N=5)
ADAPTER, B-1 MAINT STAND	34	19	44	11	13	17	17	23	20
BOWSER, FUEL	62	53	56	22	15	51	44	62	20
BOWSER, HYDRAULIC FLUID	10	18	11	19	13	26	24	24	0
BOWSER, OIL	3	23	22	11	15	39	27	30	0
CRANE, FLOOR	52	47	33	25	25	51	26	55	60
DOLLY, AIRCRAFT WHEEL	24	31	33	13	24	14	24	32	20
DOLLY, TANK	62	31	44	10	1	44	5	42	40
HOIST, JIB	3	7	22	5	4	15	4	12	0
HOIST, MOBILE OVERHEAD	28	14	0	10	4	28	13	20	40
MAINT PLATFORM	31	35	11	13	13	37	24	31	40
TOW BAR, AIRCRAFT	72	65	67	24	29	64	42	68	60

TABLE B-13E

## NONPOWERED AGE-MISCELLANEOUS MAINTAINED BY 20 PERCENT OR MORE OF A MAJCOM

FIRST-TERM MAJCOM NONPOWERED AGE-MISC	AAC (N=18)	USAF (N=223)	AFSC (N=23)	ATC (N=10)	MAC (N=128)	PACAF (N=45)	SAC (N=229)	TAC (N=266)	EUROPE (N=3)
ADAPTER, B-1 MAINT STAND	39	25	33	9	20	17	22	18	33
ADAPTER, GEARBOX	0	0	33	4	0	0	0	0	0
BOWSER, FUEL	67	61	67	17	60	36	67	41	33
BOWSER, HYDRAULIC FLUID	17	20	0	17	60	20	33	21	0
BOWSER, OIL	6	26	33	13	50	20	62	28	0
BOWSER, SOAP	0	2	33	4	0	2	0	0	0
CORROSION CONTROL, A/M32M-18A	22	7	0	0	0	7	4	0	0
CRANE, FLOOR	50	51	33	26	50	22	53	23	67
DOLLY, AIRCRAFT WHEEL	6	35	33	13	50	21	18	22	33
DOLLY, TANK	61	39	100	13	0	5	51	4	67
HOIST, JIB	6	8	33	0	0	16	16	2	0
HOIST, MOBILE OVERHEAD	33	14	0	9	10	14	22	11	67
MAINT PLATFORM	33	41	0	4	30	18	47	24	67
TOW BAR, AIRCRAFT	67	76	100	13	70	41	76	38	67

TABLE B-14A

ELECTRONIC TEST EQUIPMENT MAINTAINED BY 20 PERCENT OR MORE OF A JOB

ELECTRONIC TEST EQUIPMENT	DISPATCH ST0342 (N=13)	APPRENTICE MECHANIC ST0319 (N=15)	CHASSIS MECHANIC ST0284 (N=10)	PREOPS SERVICE INSPECT ST0185 (N=290)	HEATING SYSTEMS MECHANIC ST0416 (N=20)	MAINT MECHANIC ST0341 (N=1,105)	REFRIG MECHANIC ST0407 (N=10)
AC AMMETER	15	33	20	33	50	43	40
ANALYZER, -86 GENERATOR	0	27	10	21	20	37	40
LOAD BANK, (30KW)	23	20	0	19	20	21	20
LOAD BANK, A/M 24T-8, 8A	69	67	80	76	40	82	50
MULTIMETER, DIGITAL SCALE	62	73	50	73	85	86	90
MULTIMETER, LINEAR SCALE	23	33	50	44	45	57	80
STROBE LIGHT	15	27	30	24	65	47	40
TACHOMETER, DIGITAL	0	40	10	15	35	32	40

TABLE B-14A (CONTINUED)

ELECTRONIC TEST EQUIPMENT, MAINTAINED BY 20 PERCENT OR MORE OF A JOB

ELECTRONIC TEST EQUIP	FTD	TACS	NONPOWERED	MUNITIONS	TECH	SENIOR	QUALITY	BENCH STOCK/
	INSTR ST0351 (N=10)	MAINT ST0108 (N=121)	MAINT ST0192 (N=70)	HANDLING TRAILER ST0103 (N=43)	SCHOOL INSTR ST0175 (N=10)	SUPVR ST0118 (N=302)	ASSURANCE ST0231 (N=31)	PRODUCTION CONTROL ST0085 (N=143)
AC AMMETER	10	45	4	16	10	23	13	10
ANALYZER, -86								
GENERATOR	40	1	7	2	0	24	26	8
EXTENDER BOARD-								
EC&BC, GE AC	20	59	0	14	0	4	0	2
FREQUENCY COUNTER	20	73	0	0	0	10	13	6
LOAD BANK, (30KW)	30	88	1	0	0	13	16	6
LOAD BANK, A/M								
24T-8, 8A	90	21	14	2	30	66	32	14
MULTIMETER, DIGITAL								
SCALE	100	92	44	88	80	64	35	32
MULTIMETER, LINEAR								
SCALE	60	55	44	42	10	43	26	20
OSCILLOSCOPE	30	79	1	7	10	9	10	5
PULSE GENERATOR-								
DATA	0	65	0	0	0	2	0	3
SIGNAL GENERATOR	10	45	0	0	0	2	0	3
STROBE LIGHT	50	7	9	2	10	36	19	14
TACHOMETER, DIGITAL	40	7	6	0	10	24	13	9
TEST BED, PRINTED								
CIRCUIT	20	80	0	0	10	3	0	4
TESTER, TRANSISTOR	0	39	0	0	0	1	0	2



TABLE B-14B

ELECTRONIC TEST EQUIPMENT MAINTAINED BY  
20 PERCENT OR MORE OF A GROUP

ELECTRONIC TEST EQUIPMENT	ALL 454X1 (N=2,540)	3-LVL (N=332)	5-LVL (N=1,372)	7-LVL (N=773)	COMBINED	
					3/5 LVL (N=1,704)	9/0 LVL (N=61)
AC AMMETER	32	39	35	24	36	13
ANALYZER, -86 GENERATOR	25	23	27	25	26	16
LOAD BANK, (30KW)	20	24	22	14	22	11
LOAD BANK, A/M 24T-8, 8A	63	64	62	63	63	44
MULTIMETER, DIGITAL SCALE	72	74	76	67	75	38
MULTIMETER, LINEAR SCALE	47	48	49	44	49	23
STROBE LIGHT	33	29	33	34	32	26
TACHOMETER, DIGITAL	22	20	23	23	22	20

TABLE B-14C

ELECTRONIC TEST EQUIPMENT MAINTAINED BY  
20 PERCENT OR MORE OF A GROUP

<u>ELECTRONIC TEST EQUIP</u>	<u>1ST JOB (N=389)</u>	<u>1ST ENL (N=959)</u>	<u>2D ENL (N=499)</u>	<u>CAREER (N=1,039)</u>	<u>CONUS (N=867)</u>	<u>O/S (N=504)</u>
AC AMMETER	38	40	31	25	34	37
ANALYZER, -86 GENERATOR	24	26	25	25	28	24
LOAD BANK, (30KW)	26	23	23	15	20	25
LOAD BANK, A/M 24T-8, 8A	64	62	63	63	62	63
MULTIMETER, DIGITAL SCALE	74	75	78	67	76	76
MULTIMETER, LINEAR SCALE	52	49	47	44	48	52
STROBE LIGHT	28	32	34	33	33	33
TACHOMETER, DIGITAL	22	23	21	23	26	18

TABLE B-14D

## ELECTRONIC TEST EQUIPMENT MAINTAINED BY 20 PERCENT OR MORE OF A MAJCOM

ALL MAJCOM ELECTRONIC TEST EQUIP	AAC (N=29)	USAFE (N=505)	AFLC (N=9)	AFSC (N=63)	ATC (N=68)	MAC (N=317)	PACAF (N=155)	SAC (N=573)	TAC (N=789)	EUROPE (N=5)
AC AMMETER	38	31	56	56	22	33	34	26	34	40
ANALYZER, -86 GENERATOR	31	19	33	29	31	33	29	28	24	0
FREQUENCY COUNTER	7	13	44	10	7	7	7	8	13	0
LOAD BANK, (30KW)	17	24	56	19	12	16	23	12	24	0
LOAD BANK, A/M 24T-8, 8A	79	60	33	79	51	67	63	57	65	80
MULTIMETER, DIGITAL SCALE	79	69	78	68	78	71	75	77	70	100
MULTIMETER, LINEAR SCALE	62	50	56	62	40	39	63	46	43	80
OSCILLOSCOPE	17	19	33	16	13	7	10	8	17	0
STROBE LIGHT	41	35	22	33	31	29	26	37	31	0
TACHOMETER, DIGITAL	45	13	11	40	37	31	19	38	10	40
VOLTMETER, VACUUM TUBE	10	5	22	5	3	3	1	4	5	0

TABLE B-14E

## ELECTRONIC TEST EQUIPMENT MAINTAINED BY 20 PERCENT OR MORE OF A MAJCOM

<u>FIRST-TERM MAJCOM ELECTRONIC TEST EQUIP</u>	<u>AAC (N=18)</u>	<u>USAFE (N=223)</u>	<u>AFLC (N=3)</u>	<u>AFSC (N=23)</u>	<u>ATC (N=10)</u>	<u>MAC (N=128)</u>	<u>PACAF (N=45)</u>	<u>SAC (N=229)</u>	<u>TAC (N=266)</u>	<u>EUROPE (N=3)</u>
AC AMMETER	56	42	67	52	50	39	42	32	43	67
ANALYZER, -86 GENERATOR	44	21	33	39	40	32	31	28	24	0
ANALYZER, PNEUMATIC	22	7	0	22	0	0	7	6	8	0
FREQUENCY COUNTER	11	12	33	9	10	4	4	7	12	0
LOAD BANK, (30KW)	22	25	67	17	30	19	18	16	32	0
LOAD BANK, A/M 24T-8, 8A	78	65	33	78	50	67	69	54	61	100
MULTIMETER, DIGITAL SCALE	83	74	67	65	100	72	78	78	73	100
MULTIMETER, LINEAR SCALE	72	57	33	65	50	40	62	44	46	100
OSCILLOSCOPE	28	21	0	9	10	9	7	10	23	0
STROBE LIGHT	44	38	33	26	20	28	27	34	28	0
TACHOMETER, DIGITAL	61	14	0	39	60	31	20	36	9	0
VOLTMETER, VACUUM TUBE	17	6	33	0	0	2	2	5	6	0

TABLE B-15A

SPECIAL TOOLS-GAUGES MAINTAINED BY 20 PERCENT OR MORE OF A JOB

SPECIAL TOOLS-GAUGES	DISPATCH ST0342 (N=13)	APPRENTICE MECHANIC ST0319 (N=15)	CHASSIS MECHANIC ST0284 (N=10)	PREOPS SERVICE INSPECT ST0185 (N=290)	HEATING SYSTEMS MECHANIC ST0416 (N=20)	MAINT MECHANIC ST0341 (N=1,105)	REFRIG MECHANIC ST0407 (N=10)
GAUGE, DEPTH	0	47	30	24	25	47	30
GAUGE, FREON MANIFOLD	0	13	10	12	10	30	90
GAUGE, FUEL PRESSURE	8	20	0	24	65	58	70
GAUGE, GO-NO GO	0	20	0	5	25	17	70
GAUGE, OIL PRESSURE	8	13	0	24	50	53	60

TABLE B-15A (CONTINUED)

SPECIAL TOOLS-GAUGES MAINTAINED BY 20 PERCENT OR MORE OF A JOB

SPECIAL TOOLS-GAUGES	FTD	TACS	NONPOWERED	MUNITIONS	TECH	SENIOR	QUALITY	BENCH STOCK/
	INSTR ST0351 (N=10)	MAINT ST0108 (N=121)	MAINT ST0192 (N=70)	HANDLING TRAILER ST0103 (N=43)	SCHOOL INSTR ST0175 (N=10)	SUPVR ST0118 (N=302)	ASSURANCE ST0231 (N=31)	PRODUCTION CONTROL ST0085 (N=143)
GAUGE, DEPTH	40	9	16	44	0	35	26	12
GAUGE, FREON MANIFOLD	40	14	3	2	0	25	23	11
GAUGE, FUEL PRESSURE	50	7	7	2	0	36	26	14
GAUGE, GO-NO GO	60	2	1	35	0	14	13	5
GAUGE, OIL PRESSURE	60	14	9	9	0	32	26	10

TABLE B-15B

SPECIAL TOOLS-GAUGES MAINTAINED BY 20 PERCENT OR MORE OF A GROUP

<u>SPECIAL TOOL-GAUGES</u>	ALL 454X1 (N=2,540)	3-LVL (N=332)	5-LVL (N=1,372)	7-LVL (N=773)	<u>COMBINED</u>	
					3/5 LVL (N=1,704)	9/0 LVL (N=61)
DEPTH	33	28	35	33	33	25
FREON MANIFOLD	21	12	20	28	19	23
FUEL PRESSURE	37	33	40	35	39	26
OIL PRESSURE	35	35	38	31	37	23

TABLE B-15C

SPECIAL TOOLS-GAUGES MAINTAINED BY  
20 PERCENT OR MORE OF A GROUP

<u>SPECIAL TOOLS-GAUGES</u>	<u>1ST JOB</u> <u>(N=389)</u>	<u>1ST ENL</u> <u>(N=959)</u>	<u>2D ENL</u> <u>(N=499)</u>	<u>CAREER</u> <u>(N=1,039)</u>	<u>CONUS</u> <u>(N=867)</u>	<u>O/S</u> <u>(N=504)</u>
DEPTH	26	32	36	33	34	35
FREON MANIFOLD	13	15	22	27	23	15
FUEL PRESSURE	35	38	42	35	42	38
OIL PRESSURE	37	38	36	33	40	34



TABLE B-15D

## SPECIAL TOOLS-GAUGES MAINTAINED BY 20 PERCENT OR MORE OF A MAJCOM

ALL MAJCOM SPECIAL TOOLS-GAUGES	AAC (N=29)	USAFE (N=505)	AFLC (N=9)	AFSC (N=63)	ATC (N=68)	MAC (N=317)	PACAF (N=155)	SAC (N=573)	TAC (N=789)	EUROPE (N=5)
DEPTH	59	34	33	37	22	24	34	44	28	40
FREON MANIFOLD	21	12	22	37	19	19	19	29	23	0
FUEL PRESSURE	66	36	33	54	29	37	33	39	37	20
GO-NO GO	17	9	11	11	24	15	7	22	7	0
OIL PRESSURE	52	31	22	46	29	36	34	36	37	20

TABLE B-15E

## SPECIAL TOOLS-GAUGES MAINTAINED BY 20 PERCENT OR MORE OF A MAJCOM

<u>FIRST-TERM MAJCOM SPECIAL TOOLS-GAUGES</u>	<u>AAC (N=18)</u>	<u>USAFE (N=223)</u>	<u>AFSC (N=23)</u>	<u>ATC (N=10)</u>	<u>MAC (N=128)</u>	<u>PACAF (N=45)</u>	<u>SAC (N=229)</u>	<u>TAC (N=266)</u>	<u>EUROPE (N=3)</u>
DEPTH	67	32	33	22	20	33	44	24	67
FREON MANIFOLD	11	9	0	22	30	13	21	16	0
FUEL PRESSURE	67	38	33	35	80	36	38	35	33
GO-NO GO	22	8	33	4	50	0	17	5	0
OIL PRESSURE	61	35	33	30	80	29	36	42	0

TABLE B-16A

SPECIAL TOOLS-TEST KITS/TESTERS MAINTAINED BY 20 PERCENT OR MORE OF A JOB

TEST KITS/TESTERS	DISPATCH ST0342 (N=13)	APPRENTICE MECHANIC ST0319 (N=15)	CHASSIS MECHANIC ST0284 (N=10)	PREOPS SERVICE INSPECT ST0185 (N=290)	HEATING SYSTEMS MECHANIC ST0416 (N=20)	MAINT MECHANIC ST0341 (N=1,105)	REFRIG MECHANIC ST0407 (N=10)
TEST KIT, BLEED AIR	0	7	10	12	5	21	30
TESTER, BELT TENSION	8	7	0	18	40	30	100
TESTER, CABIN LEAKAGE OR PRESSURE	8	13	0	23	10	35	10
TESTER, CARBON MONOXIDE	8	47	30	44	90	76	30
TESTER, COMPRESSION	0	7	10	20	40	49	60
TESTER, HEATER	0	7	0	5	10	14	20
TESTER, HYDROSTATIC	0	0	10	15	55	37	40
TESTER, INJECTOR	0	0	0	9	20	21	60

TABLE B-16A (CONTINUED)

SPECIAL TOOLS-TEST KITS/TESTERS MAINTAINED BY 20 PERCENT OR MORE OF A JOB

TEST KITS/TESTERS	FTD INSTR ST0351 (N=10)	TACS MAINT ST0108 (N=121)	NONPOWERED MAINT ST0192 (N=70)	MUNITION'S HANDLING TRAILER ST0103 (N=43)	TECH SCHOOL INSTR ST0175 (N=10)	SENIOR SUPVR ST0118 (N=302)	QUALITY ASSURANCE ST0231 (N=31)	BENCH STOCK/ PRODUCTION CONTROL ST0085 (N=143)
TEST KIT, BLEED AIR	10	1	4	2	0	20	19	8
TESTER, BELT TENSION	20	1	4	7	0	25	13	11
TESTER, CABIN LEAKAGE OR PRESSURE	0	0	6	0	0	20	16	6
TESTER, CARBON MONOXIDE	80	12	9	2	30	50	23	20
TESTER, COMPRESSION	10	4	6	2	0	40	26	13
TESTER, HYDROSTATIC	10	0	4	5	0	37	10	12
TESTER, INJECTOR	20	1	3	0	0	15	16	8

TABLE B-16B

SPECIAL TOOLS-TEST KITS/TESTERS MAINTAINED BY  
20 PERCENT OR MORE OF A GROUP

<u>TESTERS</u>	<u>ALL 454X1 (N=2,540)</u>	<u>3-LVL (N=332)</u>	<u>5-LVL (N=1,372)</u>	<u>7-LVL (N=773)</u>	<u>COMBINED</u>	
					<u>3/5 LVL (N=1,704)</u>	<u>9/0 LVL (N=61)</u>
BELT TENSION	22	17	23	22	22	16
CABIN LEAKAGE OR PRESSURE	23	28	24	19	25	16
CARBON MONOXIDE	52	57	54	49	54	30
COMPRESSION	33	26	31	38	30	26
HYDROSTATIC	26	19	25	31	24	23

TABLE B-16C

SPECIAL TOOLS-TEST KITS/TESTERS MAINTAINED BY  
20 PERCENT OR MORE OF A GROUP

<u>TESTERS</u>	<u>1ST JOB (N=389)</u>	<u>1ST ENL (N=959)</u>	<u>2D ENL (N=499)</u>	<u>CAREER (N=1,039)</u>	<u>CONUS (N=867)</u>	<u>O/S (N=504)</u>
BELT TENSION	18	22	20	22	25	20
CABIN LEAKAGE OR PRESSURE	27	26	23	20	22	27
CARBON MONOXIDE	56	55	53	50	55	52
COMPRESSION	28	28	33	36	32	30
HYDROSTATIC	21	23	25	28	24	25

TABLE B-16D

SPECIAL TOOLS-TEST KITS/TESTERS MAINTAINED BY 20 PERCENT OR MORE OF A MAJCOM

ALL MAJCOM TEST KITS/TESTERS	AAC (N=29)	USAF (N=505)	AFLC (N=9)	AFSC (N=63)	ATC (N=68)	MAC (N=317)	PACAF (N=155)	SAC (N=573)	TAC (N=789)	EUROPE (N=5)
TEST KIT, BLEED AIR	21	17	22	8	24	6	21	19	15	20
BELT TENSION	21	11	33	16	19	23	21	47	11	20
CABIN LEAKAGE OR PRESSURE	38	30	33	44	7	4	23	11	33	20
CARBON MONOXIDE	79	56	56	62	46	50	48	47	54	60
COMPRESSION	55	31	44	48	25	28	30	30	36	60
HEATER	17	7	22	10	1	9	14	11	8	0
HYDROSTATIC	34	27	22	33	22	20	26	24	28	80
INJECTOR	59	8	44	29	16	20	6	20	11	20

TABLE B-16E

## SPECIAL TOOLS-TEST KITS/TESTERS MAINTAINED BY 20 PERCENT OR MORE OF A MAJCOM

FIRST-TERM MAJCOM TEST KITS/TESTERS	AAC (N=18)	USAFE (N=223)	AFLC (N=3)	AFSC (N=3)	ATC (N=10)	MAC (N=128)	PACAF (N=45)	SAC (N=229)	TAC (N=266)	EUROPE (N=3)
TEST KIT, BLEED AIR	33	19	0	0	40	6	20	20	15	33
BELT TENSION	22	13	33	9	40	18	22	46	10	33
CABIN LEAKAGE OR PRESSURE	44	38	0	26	0	5	24	11	39	33
CARBON MONOXIDE	72	63	100	52	70	54	51	43	57	67
COMPRESSION	67	31	33	17	20	24	22	25	31	33
HEATER	22	8	67	4	0	5	16	10	11	0
HYDROSTATIC	33	26	0	22	30	17	20	21	24	100
INJECTOR	72	8	33	13	40	18	7	19	12	0
PSM 37	0	3	33	0	10	1	0	2	2	0
SPIII	0	0	33	0	0	1	0	1	0	0



TABLE B-17A

SPECIAL TOOLS-MISCELLANEOUS MAINTAINED BY 20 PERCENT OR MORE OF A JOB

SPECIAL TOOLS-MISC	DISPATCH ST0342 (N=13)	APPRENTICE MECHANIC ST0319 (N=15)	CHASSIS MECHANIC ST0284 (N=10)	PREOPS SERVICE INSPECT ST0185 (N=290)	HEATING SYSTEMS MECHANIC ST0416 (N=20)	MAINT MECHANIC ST0341 (N=1,105)	REFRIG MECHANIC ST0407 (N=10)
ANALYZER, BLEED AIR	0	13	10	16	5	24	30
ANALYZER, ENGINE	0	27	40	22	20	46	30
BATTERY SLING	8	27	10	19	40	29	50
BATTERY CHARGER	46	27	50	56	50	55	60
BENCH GRINDER	54	60	40	64	85	87	70
CALIPERS	0	40	20	13	20	28	50
CLUTCH ALIGNMENT TOOL	8	20	0	18	30	41	60
COMPRESSOR SERVICING CART	0	0	0	4	5	8	20
DEFUELING PUMP	15	27	40	55	50	65	90
DEHYDRATOR	0	13	0	20	0	29	30
DIESEL ENGINE TUNE-UP KIT	15	47	30	29	30	53	80
DRILL PRESS	46	40	30	50	75	78	90
FREON LEAK DETECTOR	0	20	10	19	20	40	100
FUEL PRIMER	0	7	0	10	15	15	50
HEAT SHRINK GUN	46	73	60	66	90	89	90
HEATER OR AIR-CONDITIONING THERMOMETER	0	20	0	20	65	43	100
HYDRAULIC GAUGE TESTER	8	13	0	12	25	24	40
MANOMETER	0	20	10	2	5	8	10
MICROMETER	15	60	30	29	55	57	60

TABLE B-17A (CONTINUED)

SPECIAL TOOLS-MISCELLANEOUS MAINTAINED BY 20 PERCENT OR MORE OF A JOB

SPECIAL TOOLS-MISC	DISPATCH ST0342 (N=13)	APPRENTICE MECHANIC ST0319 (N=15)	CHASSIS MECHANIC ST0284 (N=10)	PREOPS SERVICE INSPECT ST0185 (N=290)	HEATING SYSTEMS MECHANIC ST0416 (N=20)	MAINT MECHANIC ST0341 (N=1,105)	REFRIG MECHANIC ST0407 (N=10)
PUMP, VACUUM	8	13	0	16	0	33	100
QUICK DISCONNECT RUN-AROUND	0	7	10	20	15	37	50
RAM LOCK	0	7	0	11	0	21	0
RING COMPRESSORS	0	7	0	19	45	36	50
SOLDERING GUN	31	80	50	78	100	96	90
STOP WATCH	15	27	0	9	35	18	0
STRAIGHT EDGE	8	47	30	30	50	50	100
STROBE LIGHTS	0	13	20	22	50	42	30
TAP AND DIE	38	73	70	71	100	89	100
TENSIOMETER	0	27	0	10	20	21	80
TORQUE WRENCH	54	87	90	89	100	96	100
TOXIC GAS DETECTOR	8	0	10	6	25	11	0
TURBINE ENGINE SLING	0	20	10	13	25	36	40
VALVE LAPPING TOOL	0	0	0	3	5	11	40
VALVE SPRING COMPRESSOR	0	7	10	9	25	26	40

TABLE B-17A (CONTINUED)

SPECIAL TOOLS-MISCELLANEOUS MAINTAINED BY 20 PERCENT OR MORE OF A JOB

SPECIAL TOOLS-MISC	FTD INSTR ST0351 (N=10)	TACS MAINT ST0108 (N=121)	NONPOWERED MAINT ST0192 (N=70)	MUNITIONS HANDLING TRAILER ST0103 (N=43)	TECH SCHOOL INSTR ST0175 (N=10)	SENIOR SUPVR ST0118 (N=302)	QUALITY ASSURANCE ST0231 (N=31)	BENCH STOCK/ PRODUCTION CONTROL ST0085 (N=143)
ANALYZER, BLEED AIR	30	0	4	2	0	23	13	8
ANALYZER, ENGINE	20	0	6	2	0	35	23	15
BATTERY SLING	0	4	4	2	0	21	16	8
BATTERY, CHARGER	20	17	16	7	60	42	19	12
BENCH GRINDER	0	60	74	84	0	60	26	25
CALIPERS	0	3	34	35	0	22	10	10
CLUTCH ALIGNMENT TOOL	50	1	3	7	20	27	19	14
DEFUELING PUMP	0	20	24	2	0	38	19	11
DIESEL ENGINE TUNE-UP KIT	80	6	6	2	10	39	26	15
DRILL PRESS	0	40	59	63	0	56	26	24
FREON LEAK DETECTOR	40	25	4	2	20	31	26	13
HEAT SHRINK GUN	0	68	36	81	10	61	23	25
HEATER OR AIR- CONDITIONING								
THERMOMETER	60	27	6	2	10	28	19	10
HYDRAULIC GAUGE TESTER	0	1	23	19	0	19	13	13

TABLE B-17A (CONTINUED)

SPECIAL TOOLS-MISCELLANEOUS MAINTAINED BY 20 PERCENT OR MORE OF A JOB

SPECIAL TOOLS-MISC	FTD INSTR ST0351 (N=10)	TACS MAINT ST0108 (N=121)	NONPOWERED MAINT ST0192 (N=70)	MUNITIONS HANDLING TRAILER ST0103 (N=43)	TECH SCHOOL INSTR ST0175 (N=10)	SENIOR SUPVR ST0118 (N=302)	QUALITY ASSURANCE ST0231 (N=31)	BENCH STOCK/ PRODUCTION CONTROL ST0085 (N=143)
MICROMETER	20	7	37	65	0	46	29	18
PUMP, VACUUM	10	21	4	2	0	32	23	15
QUICK DISCONNECT								
RUN-AROUND	20	3	9	2	0	22	16	7
RAM LOCK	0	1	56	2	0	10	16	5
RING COMPRESSORS	0	4	10	2	0	27	26	13
SAFETY HARNESS								
ASSEMBLY	0	0	20	0	0	10	6	9
SOLDERING GUN	50	88	23	88	30	68	26	29
STOP WATCH	20	2	40	72	0	15	6	4
STRAIGHT EDGE	40	17	21	63	10	33	23	16
STROBE LIGHTS	30	3	3	2	10	33	16	14
TAP AND DIE	20	72	83	93	0	60	23	27
TENSIONMETER	20	2	9	7	0	15	13	10
TORQUE WRENCH	100	88	90	98	30	73	29	29
TURBINE ENGINE								
SLING	0	29	1	0	0	29	16	10
VALVE SPRING								
COMPRESSOR	0	1	3	0	0	19	23	8

TABLE B-17B

SPECIAL TOOLS-MISCELLANEOUS MAINTAINED BY  
20 PERCENT OR MORE OF A GROUP

SPECIAL TOOLS-MISC	ALL 454X1 (N=2,540)	3-LVL (N=332)	5-LVL (N=1,372)	7-LVL (N=773)	COMBINED	
					3/5 LVL (N=1,704)	9/0 LVL (N=61)
ANALYZER, BLEED AIR	18	19	17	19	17	20
ANALYZER, ENGINE	31	25	32	33	30	26
BATTERY SLING	21	20	23	18	22	11
BATTERY CHARGER	43	45	46	38	46	28
BENCH GRINDER	67	68	72	61	71	34
CALIPERS	21	20	23	18	22	13
CLUTCH ALIGNMENT TOOL	28	23	29	29	28	18
DEFUELING PUMP	46	47	50	39	50	23
DEHYDRATOR	19	22	20	18	20	16
DIESEL ENGING TUNE UP-KIT	37	30	38	37	37	31
DRILL PRESS	59	58	63	55	62	33
FREON LEAK DETECTOR	29	19	30	31	28	20
HEAT SHRINK GUN	68	73	73	61	73	33
HEATER OR AIR- CONDITIONING THERMOMETER	30	25	32	30	31	15
MICROMETER	42	36	44	42	42	28
PUMP, VACUUM	25	17	25	30	23	21
QUICK DISCONNECT RUN-AROUND	24	22	25	24	24	8
RING COMPRESSORS	25	22	25	27	25	18
SOLDERING GUN	76	84	80	69	81	39
STRAIGHT EDGE	37	37	40	34	39	21
STROBE LIGHTS	29	26	30	31	29	23
TAP AND DIE	71	77	77	62	77	34
TORQUE WRENCH	82	91	86	73	87	41
TURBINE ENGINE SLING	25	15	26	29	24	25

TABLE B-17C

SPECIAL TOOLS-MISCELLANEOUS MAINTAINED BY  
20 PERCENT OR MORE OF A GROUP

<u>SPECIAL TOOLS-MISC</u>	<u>1ST JOB (N=389)</u>	<u>1ST ENL (N=959)</u>	<u>2D ENL (N=499)</u>	<u>CAREER (N=1,039)</u>	<u>CONUS (N=867)</u>	<u>O/S (N=504)</u>
ANALYZER, ENGINE	26	28	35	32	33	29
BATTERY SLING	19	22	21	19	23	22
BATTERY CHARGER	44	47	46	38	48	42
BENCH GRINDER	71	72	71	61	73	71
CALIPERS	23	23	21	19	24	20
CLUTCH ALIGNMENT TOOL	26	27	29	29	30	26
DEFUELING PUMP	47	50	49	39	56	41
DEHYDRATOR	23	21	18	18	23	14
DIESEL ENGINE TUNE-UP KIT	31	36	40	36	41	33
DRILL PRESS	60	62	61	56	65	59
FREON LEAK DETECTOR	20	24	33	31	35	22
HEAT SHRINK GUN	76	75	71	61	75	71
HEATER OR AIR- CONDITIONING THERMOMETER	27	29	35	30	34	30
HYDRAULIC GUAGE TESTER	20	18	17	18	20	15
MICROMETER	38	41	45	41	44	42
PUMP, VACUUM	17	20	26	30	27	21
QUICK DISCONNECT RUN-AROUND	24	25	23	24	27	23
RING COMPRESSORS	22	23	27	26	27	22
SOLDERING GUN	85	82	79	69	79	81
STRAIGHT EDGE	43	42	37	33	42	36
STROBE LIGHTS	28	29	29	30	29	31
TAP AND DIE	80	79	74	63	76	78
TORQUE WRENCH	92	89	84	74	87	85
TURBINE ENGINE SLING	19	22	27	28	26	26

TABLE B-17D

## SPECIAL TOOLS-MISCELLANEOUS MAINTAINED BY 20 PERCENT OR MORE OF A MAJCOM

ALL MAJCOM SPECIAL TOOLS-MISC	AAC (N=29)	USAFE (N=505)	AFLC (N=9)	AFSC (N=63)	ATC (N=68)	MAC (N=317)	PACAF (N=155)	SAC (N=573)	TAC (N=789)	EUROPE (N=5)
ANALYZER, BLEED AIR	24	18	22	30	21	6	12	23	19	20
ANALYZER, ENGINE	41	32	33	41	29	9	26	35	37	40
ATOMIZER SCREEN REMOVER	3	8	22	14	3	2	5	22	7	0
BATTERY SLING	38	19	56	41	12	34	8	27	12	40
BATTERY, CHARGER	48	38	56	52	26	33	45	43	49	80
BENCH GRINDER	79	64	67	78	28	63	72	64	75	100
CALIPERS	38	17	33	24	6	15	14	36	16	0
CLUTCH ALIGNMENT TOOL	34	24	22	29	26	23	21	36	29	0
COMPRESSOR SERVICING										
CART	3	4	33	22	3	3	3	10	4	20
DEFUELING PUMP	59	32	22	38	22	50	50	51	50	60
DEHYDRATOR	21	13	11	16	21	22	18	22	21	20
DIESEL ENGINE TUNE-UP KIT	52	25	33	38	46	44	32	43	35	40
DRILL PRESS	72	50	56	56	34	63	63	56	67	60
FREON LEAK DETECTOR	48	15	33	56	32	29	26	39	27	0
FUEL PRIMER	31	5	22	5	9	11	6	13	12	0
HEAT SHRINK GUN	66	65	22	73	37	67	70	72	71	80
HEATER OR AIR- CONDITIONING										
THERMOMETER	31	26	22	60	29	28	27	33	31	20
HYDRAULIC GAUGE										
TESTER	24	16	33	25	9	15	11	22	18	20
MICROMETER	59	40	22	46	26	29	48	53	39	60
PUMP, VACUUM	21	16	33	44	26	21	23	34	25	40
PURGE UNIT, GSU-62/M	3	2	22	5	7	4	3	6	3	0
QUICK DISCONNECT RUN- AROUND	31	22	11	49	22	14	23	23	29	20

TABLE B-17D (CONTINUED)

SPECIAL TOOLS-MISCELLANEOUS MAINTAINED BY 20 PERCENT OR MORE OF A MAJCOM

ALL MAJCOM SPECIAL TOOLS-MISC	AAC (N=29)	USAFE (N=505)	AFLC (N=9)	AFSC (N=63)	ATC (N=68)	MAC (N=317)	PACAF (N=155)	SAC (N=573)	TAC (N=789)	EUROPE (N=5)
RING COMPRESSORS	52	22	11	38	19	25	26	23	26	60
SAFETY HARNESS	10	8	22	8	10	18	3	10	10	0
SOLDERING GUN	76	77	67	78	50	73	80	75	79	80
STOP WATCH	10	8	0	17	9	19	9	36	6	0
STRAIGHT EDGE	48	30	56	43	28	32	36	57	30	40
STROBE LIGHTS	31	30	44	33	26	26	26	36	26	0
TAP AND DIE	76	71	44	78	40	72	75	79	68	100
TENSIONMETER	14	8	11	19	19	11	15	32	8	20
TORQUE WRENCH	79	80	89	87	66	81	82	87	80	100
TOXIC GAS DETECTOR	21	8	22	5	6	9	6	9	5	0
TURBINE ENGINE SLING	28	28	33	22	13	8	28	25	31	0
VALVE LAPPING TOOL	24	6	22	13	3	10	6	9	6	20
VALVE SPRING										
COMPRESSOR	28	16	22	30	12	17	18	17	16	40
WELDER, PORTABLE	0	6	11	6	4	6	13	5	12	40



TABLE B-17E

## SPECIAL TOOLS-MISCELLANEOUS MAINTAINED BY 20 PERCENT OR MORE OF A MAJCOM

FIRST-TERM MAJCOM SPECIAL TOOLS-MISC	AAC (N=18)	USAFE (N=223)	AFLC (N=3)	AFSC (N=23)	ATC (N=10)	MAC (N=128)	PACAF (N=45)	SAC (N=229)	TAC (N=266)	EUROPE (N=3)
ANALYZER, BLEED AIR	39	20	33	30	30	2	7	21	18	33
ANALYZER, ENGINE	39	33	33	35	30	5	24	30	33	67
BATTERY SLING	44	20	17	30	10	33	7	31	10	33
BATTERY, CHARGER	50	42	33	43	30	35	60	44	56	67
BENCH GRINDER	83	72	67	78	40	66	76	65	81	100
CALIPERS	50	21	33	22	20	15	7	37	17	0
CLUTCH ALIGNMENT TOOL	44	23	0	17	20	20	16	34	29	0
COMPRESSOR SERVICING										
CART	6	7	33	13	20	5	4	12	6	33
DEFUELING PUMP	67	34	0	26	50	56	58	54	58	67
DEHYDRATOR	22	12	0	9	50	28	18	20	27	0
DIESEL ENGINE TUNE-UP										
KIT	67	25	0	30	50	45	33	38	35	33
DRILL PRESS	78	50	33	48	80	66	64	57	73	33
FREON LEAK DETECTOR	50	14	0	39	40	23	20	35	21	0
FUEL PRIMER	33	8	0	0	10	13	7	13	17	0
HEAT SHRINK GUN	78	73	33	74	80	72	76	74	80	67
HEATER OR AIR- CONDITIONING										
THERMOMETER	33	26	33	43	40	23	24	30	31	33
HYDRAULIC GAUGE										
TESTER	39	17	33	13	20	14	11	21	20	33
MANOMETER	0	6	0	13	20	5	2	7	9	0
MICROMETER	67	43	33	35	20	22	49	53	37	67
PUMP, VACUUM	17	14	0	22	40	14	18	27	20	33
QUICK DISCONNECT RUN- AROUND	39	22	0	48	40	13	27	21	35	33

TABLE B-17E (CONTINUE)

## SPECIAL TOOLS-MISCELLANEOUS MAINTAINED BY 20 PERCENT OR MORE OF A MAJCOM

FIRST-TERM MAJCOM SPECIAL TOOLS-MISC	AAC (N=18)	USAFE (N=223)	AFLC (N=3)	AFSC (N=23)	ATC (N=10)	MAC (N=128)	PACAF (N=45)	SAC (N=229)	TAC (N=266)	EUROPE (N=3)
RAM LOCK	22	9	0	9	20	19	24	14	24	0
RING COMPRESSORS	61	22	0	30	30	15	24	21	24	33
SAFETY HARNESS ASSEMBLY	11	8	0	0	20	16	0	10	11	0
SOLDERING GUN	78	86	67	78	70	77	91	76	86	100
STOP WATCH	11	10	0	13	10	17	2	35	6	0
STRAIGHT EDGE	56	33	67	43	90	35	42	57	36	67
STROBE LIGHTS	33	33	67	26	30	26	24	32	24	0
TAP AND DIE	78	80	33	78	80	77	82	82	75	100
TENSIONMETER	11	9	33	13	30	10	16	29	10	33
TORQUE WRENCH	78	88	100	87	100	85	93	93	89	100
TOXIC GAS DETECTOR	22	9	33	4	10	9	7	8	6	0
TURBINE ENGINE SLING	28	26	67	13	0	6	22	21	27	0
VALVE LAPPING TOOL	28	6	33	13	0	6	4	9	6	0
VALVE SPRING COMPRESSOR	39	16	33	17	0	13	16	14	12	33
WELDER, PORTABLE	0	6	33	0	10	5	16	4	14	33

APPENDIX C

TABLE C1

MATCHED POI ELEMENTS WITH LESS THAN 30 PERCENT MEMBERS PERFORMING

<u>DUTY TASK NBR</u>	<u>TASK TITLE</u>	<u>TNG EMPH</u>	<u>ATI</u>	<u>1ST JOB</u>	<u>1ST ENL</u>	<u>TASK DIFF</u>
0043	III 2b. Using a multimeter, perform a serviceability check on a diode. Follow all safety precautions. One instructor assist is permitted. STS: 3c, 9c Meas: W and PC (1)					
H391	Measure resistance of AGE solid-state circuitry	3.94	7	24	24	6.14
-----						
0050	IV 1a. Identify the fundamentals of the Air Force Technical Order System. A minimum of 9 of 12 questions must be answered correctly. STS: 4a, 4c(1), 4c(2), 4g Meas: W and PC Proficiency Level: B (5)					
E214	Maintain technical order (TO) publications	2.71	7	7	9	5.74
-----						
0056	IV 3a. Identify procedures for completing a technical order improvement report. A minimum of 6 of 8 questions must be answered correctly. STS: 4f Meas: W and PC Proficiency Level: b (2)					
E182	Initiate or annotate TO system forms, such as AFIO Forms 22, 27, 110, 110A, 110B, or 131	3.54	7	5	6	5.24

TABLE C1 (CONTINUED)

MATCHED POI ELEMENTS WITH LESS THAN 30 PERCENT MEMBERS PERFORMING

<u>DUTY</u> <u>TASK</u> <u>NBR</u>	<u>TASK TITLE</u>	<u>TNG</u> <u>EMPH</u>	<u>ATI</u>	<u>1ST</u> <u>JOB</u>	<u>1ST</u> <u>ENL</u>	<u>TASK</u> <u>DIFF</u>
0062	IV 4e. Using simulated CAMS computer forms, a work unit code manual and two sample maintenance situations, record maintenance information on CAMS forms. Seven of ten entries must be entered correctly. STS: 7g Meas: PC Proficiency Level: 1a					
E157	Create or schedule CAMS or CAMS for airlift equipment discrepancies	1.54	2	9	10	5.65
E185	Inquire CAMS or CAMS for airlift AGE deferred equipment discrepancies	2.71	7	14	18	4.55
E187	Inquire CAMS or CAMS for airlift AGE event maintenance	2.82	7	13	17	4.75
E192	Inquire CAMS or CAMS for airlift AGE scheduled equipment discrepancies	3.08	7	19	23	4.69
E194	Inquire CAMS or CAMS for airlift AGE unscheduled equipment discrepancies	2.85	7	21	23	4.64
E198	Load CAMS or CAMS for airlift AGE event maintenance	2.91	7	15	16	4.95
E201	Load CAMS or CAMS for airlift AGE periodic inspections	2.36	2	15	16	5.12
0106	VI 3a. Using a Petter diesel engine trainer, technical order, a locally prepared checklist, and CTK, troubleshoot the injector by performing the spray pattern test. Two instructor assists are allowed. STS: 11b(4) Meas: PC (7)					
I494	Remove diesel engine fuel injectors	4.30	11	23	27	5.42
I561	Test injector spray patterns	3.53	7	15	18	5.72

TABLE C1 (CONTINUED)

## MATCHED POI ELEMENTS WITH LESS THAN 30 PERCENT MEMBERS PERFORMING

<u>DUTY</u> <u>TASK</u> <u>NBR</u>	<u>TASK TITLE</u>	<u>TNG</u> <u>EMPH</u>	<u>ATI</u>	<u>1ST</u> <u>JOB</u>	<u>1ST</u> <u>ENL</u>	<u>TASK</u> <u>DIFF</u>
0127	VII 3e. Using a technical order, locally prepared checklist, compression gage kit, CTK and torque wrench, troubleshoot by performing a compression pressure check on one cylinder of a Detroit diesel engine. Two instructor assists are allowed. STS: 9b, 11b(4) Meas: PC Proficiency Level: 2b (6.5)					
I559	Test cylinder compression	4.03	11	12	18	4.59
0154	VIII 6b. Using CTK and bench items, perform a bleed air hose build-up IAW TO. Two instructor assists are allowed. STS: 17e Meas: PC Proficiency Level: 2b (6)					
M741	Build bleed air hoses	4.53	11	20	27	5.06
0167	IX 4c. Using AFTO Forms 244 and 349, perform selected steps of a periodic inspection on a load bank IAW TO. One instructor assist is allowed. STS: 20b Meas: PC Proficiency Level: 2b (3.5)					
G342	Perform load bank periodic inspections	5.55	11	26	29	5.75

TABLE C1 (CONTINUED)

## MATCHED POI ELEMENTS WITH LESS THAN 30 PERCENT MEMBERS PERFORMING

DUTY TASK NBR	TASK TITLE	TNG EMPH	ATI	1ST JOB	1ST ENL	TASK DIFF
0179	X 1c. Without reference, identify basic facts pertaining to placing AGE IN and OUT of storage. A minimum of three of four statements must be answered correctly on IN storage and three of four statements must be answered correctly on OUT of storage. STS: 10d, 10e Meas: W and PC Proficiency Level: a (1)					
H403	Prepare AGE electrical units for storage, other than integrated or solid-state circuitry	2.29	2	6	9	5.09
I490	Prepare engines, motors, or generators for storage	3.17	7	16	21	4.70
I491	Prepare engines, motors, or generators removed from storage or mobility equipment for in-use	3.43	7	20	26	4.66
J577	Prepare heaters for storage	2.91	7	13	18	3.99
K629	Prepare refrigeration systems or equipment coolers for storage	2.40	2	3	5	5.07
K667	Remove refrigeration systems or equipment coolers from storage or mobility equipment for in-use	2.09	2	4	5	5.13
L694	Prepare hydraulic systems for storage	2.71	7	6	8	4.88
L695	Remove hydraulic systems from storage or mobility equipment for in-use	2.70	7	10	14	4.80
M751	Prepare pneumatic systems for storage	2.46	2	4	7	4.67
M777	Remove pneumatic systems from storage or mobility equipment for in-use	2.43	2	7	13	4.62

TABLE C1 (CONTINUED)

MATCHED POI ELEMENTS WITH LESS THAN 30 PERCENT MEMBERS PERFORMING

<u>DUTY</u> <u>TASK</u> <u>NBR</u>	<u>TASK TITLE</u>	<u>TNG</u> <u>EMPH</u>	<u>ATI</u>	<u>1ST</u> <u>JOB</u>	<u>1ST</u> <u>ENL</u>	<u>TASK</u> <u>DIFF</u>
0199	XI 3b. Using a workbook and a temperature/pressure chart troubleshoot two malfunctions on an air conditioner trainer. Three instructor assists are allowed. STS: 3c, 15d Meas: PC (4.5)					
K622	Isolate refrigeration system or equipment cooler malfunction	4.45	11	8	11	6.76
K626	Perform refrigeration equipment leakage tests	4.23	11	10	13	5.32
0200	XI 3c. Using a workbook, CTK, and test equipment, service an air conditioner trainer. Three instructor assists are allowed. STS: 15e Meas: PC (3)					
K614	Charge refrigerant systems	5.31	11	14	19	6.17
0262	XIV 4b. Using a CTK, correct three malfunctions on an air compressor IAW the IO. Two instructor assists allowed. STS: 3c, 4c(1), 4c(2), 7d, 7e, 9a, 14e Meas: W and PC Proficiency Level: 2b (7)					
M737	Adjust pneumatic system clutches	3.38	7	11	13	5.72
M739	Adjust pneumatic unloader system components	3.54	7	7	14	5.46